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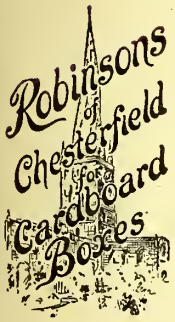

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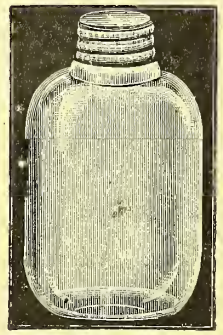

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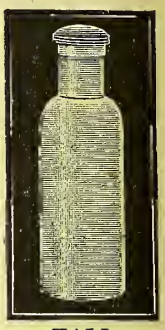

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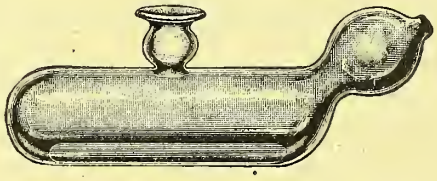

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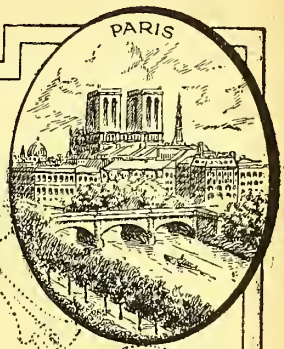

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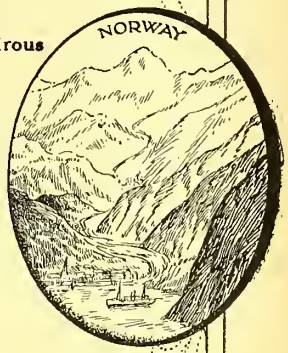
Tannin Albuminate
Tartaric Acid
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

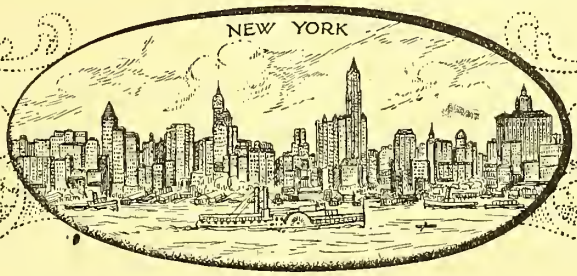


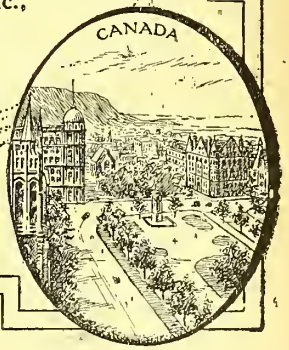
R. W. Greeff & Co.

THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyd's Bank Buildings,
King Street.

NEW YORK AGENTS
R. W. Greeff & Co., Inc.,
78, Front Street.





WHOLESALE PRICES OF

'QUINPHOS'

REGD.

THE GREAT TONIC.

	Minimum Retail Price.	Wholesale Price.
On the P.A.T.A.	1/3 . . .	11/6 per doz.
	3/- . . .	27/6 "
	5/- . . .	48/- "

LIQUID OR TABLETS.

CARRIAGE IS PAID ON ORDERS OF 10/- UPWARDS.

A SPECIAL DISCOUNT OF 5% IS GIVEN FOR CASH WITHIN ONE MONTH.

15 INCHES.

29 INCHES.

BONUS FOR WINDOW DISPLAY as above.

No. 1—For a 25/- order of "QUINPHOS," equivalent to 1 doz. 1/3 size and ½ doz. 3/-, liquid or tablets or assorted, there is a bonus of 3×1/3 size with high-class Cut-out and Showcards for Window.

No. 2—For a £3 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of 9×1/3 size, with high-class Cut-out and Showcards for placing in the Window.

No. 3—For a £5 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of 15×1/3 size, with high-class Cut-out and Showcards for Window Display.

SOLE MAKERS:

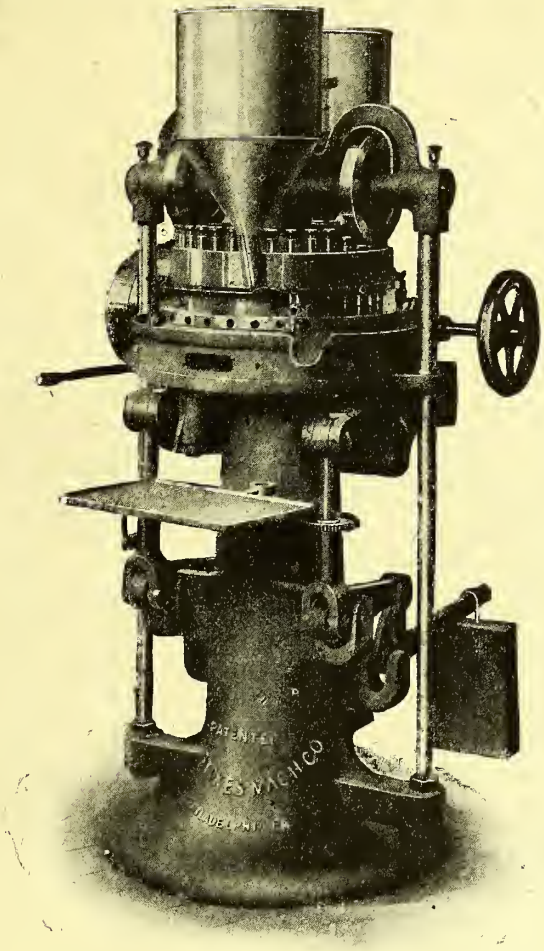
THOMPSON & CAPPER, LTD.

Manufacturing Chemists,

Manesty Buildings, College Lane, LIVERPOOL.

Telegrams: "SANITAS LIVERPOOL." ESTABLISHED 1843. Telephone: ROYAL 2060.

JUST ARRIVED



STOKES ROTARY TABLET MACHINE "B. B."

OUTPUT 1000 TO 1200 TABLETS PER MINUTE.

For further particulars apply to the Sole Agents:

THOMPSON & CAPPER, LTD.

Manesty Buildings, College Lane - - LIVERPOOL

Telegrams: "Sanitas Liverpool." Telephone: Royal 2060 (Private Branch Exchange).

Hall Mark

THOMAS WAIDE & SONS
TWS
LEEDS

There is nothing in the history of British industry which stands out to-day with such pre-eminence as that of the Hall Mark of Gold. It was instituted by the Honourable Goldsmiths' Company many centuries ago, and they now issue it by Royal Authority as representing a standard of purity and value. Wherever its mark appears it is a genuine guarantee of sterling worth, questioned or doubted by no one.

The firm of Thomas Waide & Sons, Medical Printers, Leeds, are placing before their patrons a Hall Mark which will in a great measure rival that of the Honourable Goldsmiths' Company. This Hall Mark will signify that the work executed by that house (which has the honour to issue it) will be supplied with such a finish as will not only be up-to-date, but also of high-class art and superb order.

We are now passing through a unique age, and many "Passing Shows" are appearing on a strange horizon. New firms are appearing and are attempting to emulate our methods of good work. They are doing this in a form and manner detrimental to the Printing trade, with no credit to the Chemist. They are using cheaper materials and adopting other sinister methods of industry, which in the end will not only be derogatory to the Chemist, but degrading to the noble art of Printing.

1879 1920

Thomas Waide & Sons, Leeds, produce all their wares under the best and most happy conditions of labour. Their staff of workpeople are of their own training, skilled in every department to secure the best results. Their material is of the finest procurable, and when they know this they can egotistically proclaim that their results are the finest the market can give.

Enterprising and progressive Chemists are ill-advised to consider low priced articles—it is quality that pays. They should be the last persons to foster cheap or low priced inducements for advertising their goods. They are in a profession that requires above all things that their wares, either Drugs, Chemicals, or Proprietary Articles, should be of the very best quality, or their reputation will for ever go. Their goods must be pure and reliable if they are to be successful. If this is true and sound logic for the Chemist, it is also true when applied to the use of Printing. Good, classy, artistic Printing is the best medium to sell, and a patronising public have an eye for the beautiful, and will invariably buy that which is attractive and seductively put before them.

Thomas Waide & Sons cater for everything the Chemist requires in the Printing and Advertising world—Labels, Carton Boxes, Show Cards, Envelopes, Price Lists, Wrappers, Bills, Circulars, etc., etc. They can show samples second to none in the trade, and it should be the Chemist's first duty to write for samples at the earliest opportunity.

Thomas Waide & Sons

Full set of Samples sent to Colonies on receipt of P.O. for 10/6, which is credited on a £10 Order.

Chemists' & General Printers & Lithographers

LEEDS.

Maw's Page

NUMBER 436.
FEB. 21, 1920.

MAW, SON & SONS, LTD • 7/12, ALDERSGATE ST. LONDON, E.C.1.

Dental Riskets

I once saw a music-hall "trio" who labelled themselves the Dental Riskits. The aptness of the label was manifested by the manner in which they performed aerial evolutions while hanging from pipes held in their teeth!

I am reminded of them because of the reflection that the dental risk they run is small in comparison with the dental risks to which hundreds of thousands of people lay themselves open in everyday life by the use of harmful dental creams.

Of the making of dental creams, like the making of books—there is no end. Some are good, some are indifferent, and too many are frankly cheap and nasty.

The cheap and nasty kind are bought only once by the same person. They may show economy in the first instance, they may show a good profit to the dealer—but they have to keep finding a new public because their quality does not *hold* the respect of the buyer.

The indifferent qualities may perhaps hold a customer a little longer, but in the end their effect is the same.

The good dental cream is cheapest in the end. It is better for the dealer because it makes satisfied customers; and a staple business can only be built up by a satisfied clientele.

Now here is the interest of the House of Maw in the matter.

In dental creams, as in everything else, the House of Maw only handles that which is reputable and sound in quality. That is the only wise course to pursue. It is wise in the beginning and the end, and all the way between. Would it not also be wise, therefore, on your part always to keep your stock of dental preparations replenished from the warehouse of the House of Maw?

Discus

Dainty & Seasonable

PRICE

3/3

EACH.

If ordered in quantities of not less than one dozen

36/-

Per Dozen.

AN article often asked for at this period is a reliable but cheap form of Muff Warmer.

The "Parex" (regd.) here illustrated is a dainty and seasonable COMFORT AND SAFETY. line, made of the finest quality red india-rubber, triple seamed, fitted with cup attachment and screw stopper.

For Baby's Cot.

Measuring only $6\frac{1}{4} \times 3\frac{1}{4}$ inches the Parex Muff Warmer is a most convenient size for "My Lady's" use, or as a miniature hot water bottle for "King Baby's" comfort in cot or perambulator.

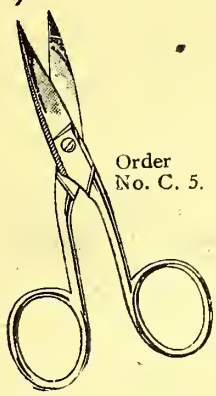
"Parex means Perfection."

"Comfort and Safety" is assured with the use of the Parex Muff Warmer because it is made upon the same scientific lines as the famous Hot Water Bottle.

FOR BABY'S COT.

An artistic Showcard (as illustration) to take one bottle is supplied free with all orders.

Superior Bent Nail Scissors



Order No. C. 5.

ONCE again we are able to offer our customers the benefits of a judicious transaction.

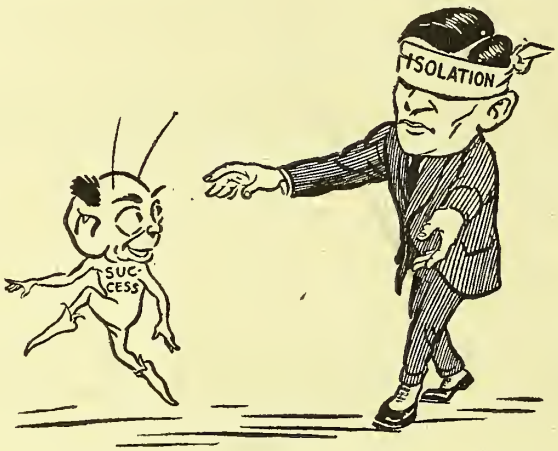
Under very special circumstances we have secured a large consignment of Bent Nail Scissors, $3\frac{3}{4}$ inches in length, with a file upon the side of each blade. The style and finish is exceptional.

Made of the best materials.

PRICE

24/- DOZEN

CARDED.



Don't Play Blind Man's Buff with a "Will o' the Wisp."

What the rampant individualist really does, in effect, is to throw out a challenge for "Blind Man's Buff" on the grand scale—"with every man's hand against him."

That kind of "isolation," far indeed from being "splendid," is merely stupid. It is better described as "self-immolation."

Individuality *verum* is a precious thing—and joining Ucal provides the pharmacist with a fine field for proving his individuality.

Ucal is ever-hungry for men whose points of difference are points of superiority.

Ucal
The Sign of Reliability

UCAL, CHELTENHAM.

Important Announcement

THE VENO DRUG CO., Ltd., have pleasure in announcing the opening of their new model laboratories, equipped regardless of cost with the latest machinery, fitments and automatic appliances for the manufacture of Tablets, Ointments, Extracts and Toilet articles, under the personal direction and supervision of a pharmaceutical chemist with an extensive manufacturing experience. A permit to view these works will be readily granted to any of the Company's customers when visiting Manchester.

THE FOLLOWING NEW LINES ARE BEING INTRODUCED.

GERMOLENE

Trade Mark Reg. all Countries.

The Aseptic Skin Dressing

An extensive and costly advertising campaign has just been initiated, embracing practically the entire press of Great Britain and Ireland; Together with the efficient selling organisation of the VENO DRUG CO., Ltd., it is confidently anticipated that this high-grade article, neatly packed in decorated tins and lithographed cartons, will meet with an instantaneous and ever-increasing demand.

GERMOLETS

in Tablet form, for Blood and Skin Troubles.

The companion remedy. Will also enjoy a quick and active sale, and should be ordered with Germolene.

PROVISION HAS BEEN MADE FOR PROMPT DELIVERY IN ANY QUANTITY.
P.A.T.A. MINIMUM RETAIL PRICES 1/3 & 3/-. WHOLESALE HOUSES CAN SUPPLY AT ONCE:

WINDOW SHOW TERMS.

Minimum orders, £10 assorted—GERMOLENE, VENO'S LIGHTNING COUGH CURE, Dr. CASSELL'S TABLETS, etc. 5% allowance for Window Display, and *pro rata* larger orders.

2½ % discount for cash in 30 days. **ALL GOODS CARRIAGE PAID, IN FREE BOXES.**

Sole Manufacturers and Distributors—

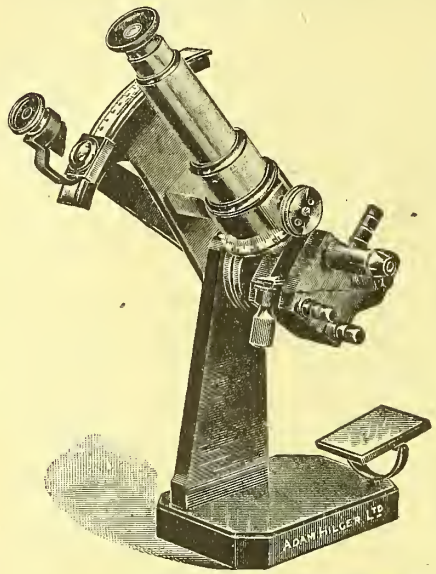
THE VENO DRUG CO., LTD.

Manufacturing Chemists,

MANCHESTER, ENGLAND.

Telegrams: "SEAWEED MANCHESTER." Telephone: 422 TRAFFORD PARK.

THE ABBE REFRACTOMETER



is a valuable aid towards **maintaining uniform strength in pharmaceutical products** (solutions, syrups, etc.), and much quicker than taking the dried weights or specific gravities.

DELIVERY FROM STOCK.

Descriptive Booklet post free on application to the Makers:

ADAM HILGER, LTD.

(Department H)

75a CAMDEN ROAD, LONDON, N.W. 1.

Telephone: NORTH 1677—8. Telegrams: "SPHERICITY, PHONE, LONDON."

THE MARK OF

QUALITY AND RELIABILITY

ELLIOTT OPTICAL COMPANY

(Proprietor: Guy E. Druiff)

ALL DESCRIPTIONS OF OPTICAL GOODS AND AN EXCELLENT PRESCRIPTION SERVICE.

104 & 105 GT. SAFFRON HILL, LONDON, E.C.1.

BOTTLES

TOM LAYCOCK & CO.

(Tom Laycock, Proprietor).

ISLES GLASS WORKS, Holbeck Lane, LEEDS.

In addition to such lines as Medicals, Mexicans, Limes, Kalis, Vials, Poisons, etc., we we can offer Face-Cream and Pomade Jars and Pots in white-flint glass, and in white opaque or opal, various shapes. We supply these opal pots complete with satin-finished aluminium caps.

Your inquiries will be esteemed and will receive careful attention.

WHOLESALE ONLY.

Write for prices, mentioning quantities and deliveries

AYRTON'S WEEKLY PAGE 15

elicate soft Tints

or full, rich colours can be obtained with "Eagle" Dyes.

It is easy to match a colour with "Eagle" Dyes, they are manufactured in all the latest shades, and can be used either as a simple tint or a fast dye.

Used as a tint, they will restore the original brightness of colour to the faded article, and they are so easy to prepare. Just hot water, *no boiling*, and mix according to the directions on the packet.

To change or deepen a colour, use as a fast dye according to the instructions, and a full, rich, permanent colour will be obtained.

"EAGLE" DYES ARE PACKED IN ONE-GROSS ATTRACTIVE OUTERS, AND ARE PRICE-PROTECTED.

gle" Dyes
WOOL and SILK.
or COTTON.

ES—

'	Light Green.
se.	Dark Green.
Red.	Light Blue.
	Navy Blue.
e.	Lavender.
nt Yellow.	Dark Brown.

A. Prices—

l - $7\frac{1}{2}$d. per pkt.
lesale 60/- per gross

AYRTON, SAUNDERS & Co. Ltd. LIVERPOOL

EDWARD COOK & CO.

beg to inform the Trade that they have just issued their Revised Price List of **DISINFECTANTS** and Allied Specialties, which has been considerably enlarged.

YOUR request by P.C. will secure a complete list and full particulars by return of post.

For all Bacterial Affections of the Respiratory Tract. Invaluable to Speakers and Singers. 10/- per doz. boxes. Retail Price, 1/3 per box. Also in form of PASTILLES.

"DECITAS" Fluid. A Good Household General Disinfectant Fluid. In 4-oz. bottles at 6/- doz. Retail Price, 9d. per bottle.

"Cofectant" Fluid, in 8-oz. tins, at 10/- doz. Retail Price, 1/3 per tin.

A Pure Triple-Milled Soap, containing a suitable percentage of Cofectant, Invaluable for preserving a Clear Skin from Blemishes, etc. 15/- per doz. 3-tab. boxes. Retail Price, 8d. per tablet.

A Fragrant Fluid for all Spraying Purposes. 8/- doz. tins. Retail Price, 1/-

Cook's Pure British LYSOL. At 14/- per doz. bottles, Retail Price, 1/9 per bott.

ALL SUBJECT TO USUAL TERMS.

BAN-FLU.

Wholesale price, 14/- doz. Retail, 1/9 per bott.

A new Germicidal bouquet of unequalled value in destroying th germs of Influenza, Scarlet Fever, Diphtheria, etc. etc. Sprinkl on handkerchiefs and clothes.

EDWARD COOK & CO., Ltd. (DISINFECTANT DEPT.), LONDON, E. 3

NOW
is the time
to re-order more

"VAPEX"
INHALANT

The Pleasant
ONE-DROP
COLD CURE

The Public like and recommend
"Vapex" because it is so
economical and agreeable.

Sold in one size only
to retail at 2/-

THOMAS KERFOOT & Co LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: JOB LIVERPOOL Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780

"John

Bull"

MALT EXTRACT

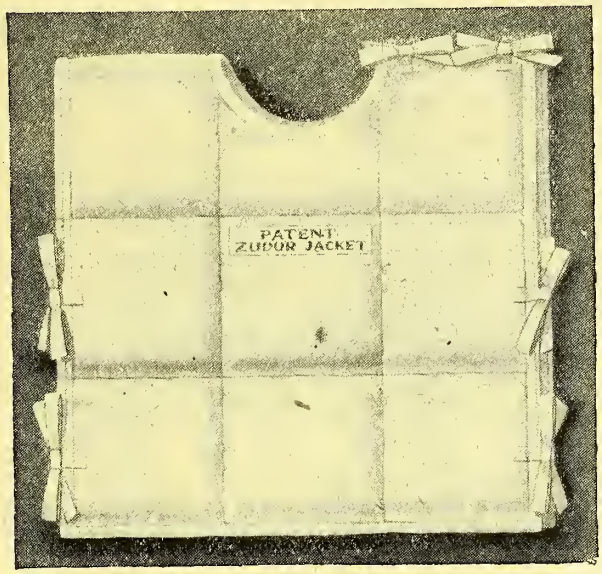
IS THE BEST!!!

Wholesale & Export Only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

"ZUDOR" JACKETS

For Chest Colds, Bronchitis and Pneumonia, or as a Chest-Protector recommend—



In Six Sizes and Two Qualities.

(Any special size made to Order).

No.	Across Chest.	Shoulder to waist.	Cotton Wool Per doz.	Retail each.	Lamb's Wool Per doz.	Retail each.
1.	8 in.	6 in.	9/6	1/3	16/-	2/-
2.	10 in.	8 in.	12/-	1/6	20/-	2/8
3.	12 in.	10 in.	16/6	2/-	24/-	3/4
4.	15 in.	12 in.	20/6	2/6	28/-	4/-
5.	19 in.	13 in.	25/-	3/-	32/-	5/-
6.	21 in.	15 in.	30/-	3/9	40/-	5/6

Showcards and Advertising Matter supplied with each Order.

CUXSON, GERRARD & Co., Ltd.

OLDBURY, near BIRMINGHAM.

LES PARFVMS DE ROSINE

IN STOCK AGAIN & READY TO INCREASE YOUR CUSTOM & PROFITS IN 1920.

Creations of Paul Poiret. Amazingly original, beautiful and saleable. Many retailers have sold over £200 worth in less than six months.

EXPORT. **Sufficient stock is now available for a limited number of markets. We invite orders from Africa, Canada, and India. Sample set of one of each line costs approximately £20.**

INQUIRIES INVITED.

Exclusive British Agents:—

W. H. CALNAN & COMPANY,

30-32 LUDGATE HILL, LONDON, E.C. 4.

PARFUMERIE PACAUT et CIE

De Grand Luxe *PARIS.*

Registered Trade Mark

¶ The House of Pacaut et Cie of Paris beg to announce that their famous SHYB Products are now available for the English Market, and that their general representative for the U.K. (René Paindessous) is now carrying stocks of all their leading lines in London.

¶ The SHYB Parfumerie of Pacaut et Cie is a scientific production, distilled from the choicest blooms, and possessing the charm of bouquet and fragrance associated only with the most highly distilled scents.

¶ Please write for particulars and price list of the many varieties of perfumes. Exceptionally good trade terms. A large public demand is being created by press advertising.

¶ OTHER PACAUT PRODUCTS.—Pâte Dentifrice, Crême pour Visage, Poudre de Riz, Savon, Eau de Toilette, Lotion pour Cheveux.

WHOLESALE ONLY.

RENÉ PAINDESSOUS (General Representative for the U.K.)

PREMIER HOUSE, 150 Southampton Row, LONDON, W.C.1

TELEPHONE: MUSEUM 1178.

BUISSON FRERES'

Magnolia Toilet Cream

For the Hair

Keeps the Hair in position, but is neither greasy nor sticky.

WRITE FOR PARTICULARS

Sole Proprietors:

W. J. BUSH & CO. LTD.

ASH GROVE, HACKNEY, E.8

N. V. Chemische Fabriek "Naarden"

Bussum, Holland.

MANUFACTURERS OF AROMATIC CHEMICALS, FLOWER OILS & TERPENELESS ESSENTIAL OILS.

Aldehydes, C8-C14	Coumarin, 100%	Lily of the Valley
Benzyl Benzoate	Diphenylmethane	Methyl Anthranilate
Bromstyrol, 100%	Geraniols, Specialities	Musk Xylol
Citral	Geranium Bourbon, Synth.	Paracresol Methylether.
Cinnamic Aldehyde	Lavender Oil, Synth.	Flor Rose d'Orient

STOCKS IN LONDON.

Please apply to our Sole Agents for Quotations and Samples—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2.

Telephone: City 4719. Telegrams: "Gerbromco, Cent, London."

Cresp-Martinenq

(Grasse, France),

Manufacturers of

ESSENCES & PRIME MATERIALS for MANUFACTURING PERFUMERS, CONFECTIONERS, ETC.

SYNTHETICS
ARTIFICIAL VIOLETS (MYRIONE)

Artificial Musk

INQUIRIES SOLICITED. LARGE STOCKS

ROBERT FERBER, LTD.
98/104 OAKLEY STREET,
LONDON - S.E.1.

Agents for the UNITED KINGDOM & CANADA.

NEW CROP 1919-192

PURE ESSENTIAL OILS

TERPENELESS ESS. OILS

BERGAMOT
SWEET ORANGE,
BITTER ORANGE,
LEMON, MANDARIN

NEROLI "D'ITALIA"

The Best on the Market.

EXPORTATION THROUGHOUT THE WORLD

Export Agent:

Giuseppe Macajone, MILAN
Via Canova 25 (Italy).

LONABARC
TRADING COMPANY, LTD.

THE FIRM WITH THEIR OWN HOUSE IN SPAIN.

SPIKE LAVENDER

PENNYROYAL OIL

RE OIL.

NROLI (BIGARADE)

LMON.

JNIPERBERRY OIL.

GRLIC OIL.

CADE OIL.

LAVENDER (10/12 ESTERS)

ORANGE.

JUNIPERWOOD OIL

WHITE THYME.

LONABARC BRAND

SWEET FENNEL

BITTER FENNEL

PURE SPANISH ESSENTIAL OILS.

5 FINSBURY SQUARE, LONDON, E.C.2.

GRAMS: "LONABARC, FINSQUARE, LONDON." PHONE: LONDON WALL 9020.

AMERICAN

ESSENTIAL OILS

"MOHAWK" BRAND

IL PEPPERMINT (Natural)

OIL CEDARWOOD OIL HEMLOCK
OIL CEDARLEAF OIL BIRCH

Heliotropine Crystals C.P.
Vanillin C.P.
Coumarin C.P.
Oil Wormseed, American.
Oil Wintergreen Leaf U.S.P.

AGNUS, MABEE & REYNARD, Inc.

ssential Oils, Chemicals and Drugs,
EW YORK - - U.S.A.
Cables—"MAGLAUR."

G. W. SPARKE,

Milan Rome Turin
and
77 Chancery Lane
LONDON, W.C.2

Telephone: Holborn 4845.

CREAM OF TARTAR
99½ per cent.
TALCUM POWDER
FLORENTINE ORRIS ROOT
ITALIAN OLIVE OIL
ESSENTIAL OILS
etc. etc.

Write for Quotations.

SICILIAN

LEMON - BERGAMOT
ORANGE - MANDARINE.

SPINELLI

THE OILS THAT HAVE A LONG REPUTATION FOR QUALITY.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any :: :: :: analysis as to purity. :: :: ::

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E. 1

A B C Code, 5th Edition
Western Union.

Telegrams: "LANDSLOH, LONDON."
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman Street, NEW YORK.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
Bay
Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniper Berry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CITRAL

EUCALYPTOL

CINNAMIC ALDEHYDE

GERANIOL

HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

A B C Code (5th Edition). Western Union.

Telegrams: "LANDSLOH, LONDON." Telephone: HOP 898.

***AMERICAN AGENTS*—O. A. BROWN CO. INC., 99-101 Beekman St., New York.**
***CANADIAN AGENTS*—F. S. JARVIS & CO., 18 Toronto Street, Toronto.**

The

HENNA CULT

of Hair Beauty, based on the famous

EVAN - WILLIAMS

ORIGINAL

HENNA SHAMPOO

daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of the profits realised in the October issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order

THE EVAN WILLIAMS ORIGINAL
Henna Shampoo

Wholesale only:
THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.

GOOD PROFIT

ON

KEENOLIA

SPECIALITIES

		Trade Price	
Chilblain Balm In three size as advertised.	...	**11/-**	3
		15/-	9
		21/-	6
Hair Cream	4 oz. **7/-**	8 oz. **12/-**	per
Toilet Paraffin	4 oz. **9/-**	8 oz. **13/-**	,,
Bay Rhum	4 oz. **8/-**	8 oz. **12/6**	,,
Eau de Quinine	4 oz. **9/-**	8 oz. **13/-**	,,
Brilliantines	1½ oz. **6/-**	2½ oz. **7/6**	4 oz.

Special Prices for quantities on application to the Manufact

Ormside Chemical Co., Lt

57 POLAND STREET, LONDON, W.1

PHONE:—MUSEUM 2083.

LEMAIRE & BARCLAY, LT

7 LITTLE GOODGE STREET, W.1.

Manufacturers and Proprietors of the

"Flora" Brand Eau-de-Cologne, Florogen Cream and Powder and "Orela" Toilet Preparations.

Poudre Compacte Flora in Aluminium Boxes with Puff, All Shades.

7/6 per Dozen.

LARGE RANGE of Distinctive Toilet Goo

PRICE LIST ON APPLICATION.

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Stands Nos. D 13 and D 25

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ONE-DROP PERFUME 13 6

Attractive. Assorted.

NAIL STONE - - 4 6

Neatly boxed. Perfumed.

LIP SALVE - - 4 -

Pink and White.

WILLIAMSON BROS.,

54 LOWER THAMES STREET, E.C.3. *Phone: Avenue* 27.

CL7220.

Fire

fortunately only destroyed one of our factory buildings on January 20, and we have been able to transfer the staff to another building where we shall carry on the making of ANZORA CREAM and ANZORA VIOLA pending re-building.

To-day our output is normal again.

You will be able to get your supplies as usual

ANZORA CREAM is the ideal preparation for greasy scalps, and ANZORA VIOLA is the most suitable for dry scalps.

Showcards on request. Of all Wholesalers. *Trade Terms on request.*

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Masters the Hair.

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Jackel's Cream"

(without Grease)

for THE HAIR

Sold everywhere

Established 1883.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

CRYSTALLISED 1/9 CREAM 2/6

Trade Mark attached to each bottle.

Jackel et Cie (of Paris) Ltd.
Sauchiehall Street
GLASGOW

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Toilet Preparations that pay YOU 50% Profit.

THE RICHMOND (SURREY) TOILET MANUFACTURING CO.

Proprietors of Mdlle. Gina Levene's Toilet Preparations.

	Price per doz. to Retailer.	Selling Price.
ASTRALINE (Hairwaving Fluid)	20/-	2/6
TRESSON (Hair Shampoo)	20/-	2/6
IDESTO (Superfluous Hair Remover)	28/-	3/6
CELACON (Hair Colour Restorer)	20/-	2/6
KAENO (Anti-Fat)	28/-	3/6
MALAFOIN (Complexion Cream)	22/-	2/9
PEDESTUM (Foot Preparation)	20/-	2/6

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"STRONG" OR "MILD"

THE SUPER PASTE

"ENOLIN" IS ALSO SUPPLIED IN POWDER FORM, 6d. and 1s. TINS.

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LASTING & FRAGRANT.

FOR LINEN CUPBOARD AND WARDROBE.
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Retail Price **6d.**

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"BEAVERPUF

Patent Nos. 4931 and 4932.
The Ladies' Natty Friend.

B. quality
Brown
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3/11
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Additional Powder Bags, 6d. each, Retail

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MENNEN TOILET POWDER

—known in trade circles as Mennen's "Standard"—the original Talcum introduced for the special requirements of Babies' tender skins—in its enhanced popularity for general toilet and bath use —is still the "standard" selected and preferred by the discriminating purchaser.

"Mennen" Talcum Powder (the original borated formula) to meet individual selection, is also issued delicately perfumed as

"MENNEN" VIOLET TALCUM, "MENNEN" FLESH-TINT TALCUM.
and as
"MENNEN" FOR MEN.

P.A.T.A. Selling Price ***1/3*** *per tin.*

10/9 *per doz., 3 dozen quantities 2½% discount, 1 gross 10% discount.*

MENNEN SHAVING CREAM.

The latest shaving luxury; commends itself to profitable recommendation by the Pharmacist—from whom a qualified opinion is sought.

"Mennen" Shaving Cream has several essential features which distinguish it from others. It is just as efficacious with cold water as with hot. It holds three times as much moisture as any other lather. It will soften the toughest beard in three minutes without rubbing in.

Note Particularly: "Mennen" supplied in a hermetically sealed tube *means* a shaving cream guaranteed for sale in perfect condition *always.* No deterioration — loss — no returns from customers — the confidence and satisfaction of the buyer who appreciates clean and hygienic methods of packing.

Supplied in new large size tubes.

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16/6 *per dozen —3 dozen quantities 2½% discount, 1 gross 10% discount.*

"Mennen" Products—Carriage Paid on 3 dozen quantities in assortment. Minimum quantity one dozen of any one kind.

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Some businesses depend mainly on individual orders, but the chief value of the trade in toilet preparations lies in the fact that they are used up and need to be replaced.

When a dentifrice is demanded and you recommend

Euthymol
TOOTH PASTE

you know that the merit of the product will practically ensure continued repeat orders without any further effort on your part.

The principal reason of the established popularity of Euthymol Tooth Paste is that it is a *scientific* preparation, and that the claim that it

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T. I. 75

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"LEONA" DENTAL CREAM

(Mint or Thymol)

Small Size	...	Cost 4/6 per dozen	Sell @ 7½d.
Large Size	...	„ 8/- „ „	„ @ 1/3

Recommended by the Institute of Hygiene.

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Cost 12/- per dozen Sell @ 1/6

A Delightfully Perfumed Vanishing Cream packed in handsome 2-oz. opal pots.

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Cost 8/6 per dozen Sell @ 1/-

Packed in beautifully embossed tins and cartons.

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Cost 8/- per dozen Sell @ 1/-

Richly perfumed and packed in gold-blocked boxes.

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Ask your wholesaler to show them to you, and

YOU WON'T REGRET IT

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Crushed-Rose

FACE POWDER

WILL MAKE YOUR FACE A PICTURE of natural Beauty

250

PER CENT.

PROFIT

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Send your Cheque for £2 . 2 . 0 for one gross of 6d. "Cinema" Face Powder and we will send you free of charge one gross of 6d. "Cinema" Dentifrice, complete with sale cards, carriage paid.

£7 . 4 . 0 for £2 . 2 . 0 DO NOT MISS THIS OFFER.

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A Perfect Dentifrice.
Pleasant to the taste.
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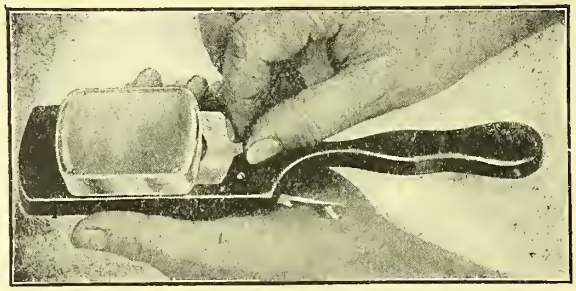

Since we first put this unique Brush before the public, some four years ago, the demand has been greater than the supplies, particularly so during the last two years. We beg now to intimate that we have trebled the production, and hope to be in a position from now on to execute orders without undue delay. The "Rex" Electric Brush is greatly improved, stronger and better finished.

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Gloria Silverdrawn (Assorted Patterns.)	20/-	doz.
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We do not Sell Foreign Tooth Brushes, but our own make only.

A selected £12 parcel of Hair Brushes from 50/- to 150/- per doz., carr. paid.
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BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
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PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo	22/6	2/6
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The Cost of Production of

AMAMI NAIL STONE

warrants the present retail charge of **1/-**, but as the AMAMI SHAMPOO envelopes, say, price is **9d.**, we have decided to avoid confusion and supply at the lower rate until our stock of shampoo envelopes is exhausted.

ALUMINIUM BOXES and ARTISTIC SHOWCARDS NOW AVAILABLE.

TERMS: **6/-** a dozen; **10/-** W.D.B. on £5 orders, which may be assorted

A Lady Ph. C. writes: "I intend to push AMAMI SHAMPOO since I tried one and found it exceedingly good."

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PUFFS. COMBS. PUFF-BOXES.

Caustic Pencils. Capping Skins.

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Best **Delphinus** MFG. CO. British

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Nail Polish, Antiseptic
Cloth Cleaner, Styptic Pencils &
Solidified Brilliantine, Shaving Blocks,
Dental Cream, Pomade Hongroise,
Bay Rum, Dry Shampoo,
Etc.

Maximum Quality! *Minimum Cost!*

Exports to all parts. CABLEGRAMS HONGROISE BRIGHTON. *Enquiries invited.*

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45 Edward St., TELEGRAMS *Brighton.*

It is important to note that each Bottle is guaranteed airtight under all climatic conditions

"KRASKA"

USED BY ROYALTY.

The only Perfect Liquid Nail Polish.

MADE IN TWO COLOURS,
ROSE AND NATURELLE.

Kraska Nail Polish ...	small	9/6 per doz.	Retail	1/2 each.
" " " ...	medium	12/6 ...	...	1/8 "
" " " ...	large	19/- ...	...	2/9 "
" Hand Balm ...		10/- ...	...	1/2 "
" Bleaching Fluid		10/- ...	...	1/2 "
" Cuticle Cream		10/- ...	...	1/2 "

Obtainable at All Wholesale Houses.

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C. E. COLLINGE & CO., 143 Cannon Street, London, E.C.4 *China & Straits Settlements.*
Mr. J. WINKEL, 21 Bierkade, The Hague, Holland.
A. E. & F. TOLLEY, Ltd., 26 King Street, Sydney, N.S.W. *Australia, New Zealand, India.*

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7 BLENHEIM STREET, NEW BOND STREET, LONDON, W.1.

The Icilma Creed

We believe in

GOOD GOODS. No extravagant claims are made for *Icilma Toilet Preparations* but they *do* represent the last word in scientific skin treatment. Only the purest and best materials that money can buy are used. Our laboratory is equipped with every device of modern science and here everything is rigorously tested. To this policy we owe *our supremacy* in the toilet world.

We believe in

GOOD ADVERTISING. Since we started advertising many years ago we have never stopped and we are not going to stop: the high and dignified tone of our announcements is always maintained *and the right class of buyers* are steadily convinced of the merits of Icilma. *Every promise we make we fulfil.* The results are seen in the ever-growing sales.

We believe in

GOOD PROFITS. All advertised goods should bear a living profit. Our policy has always been to give *generous profits to the retailer who displays* Icilma Toilet Preparations. As you know our Display parcels give the highest profit of any nationally advertised toilet article and can be varied to suit requirements. Are you taking full advantage of these special Display (window show) terms?

Price Lists and full details of Display terms post free on request.

Icilma

Toilet Preparations

Pre-War Quality Guaranteed.

International Icilma Trading Company, Ltd., 37, 39, 41, 43, King's Rd., St. Pancras, N.W.1.

T.25. 21.2.20.

TRADE 'HAZELINE' MARK CREAM

ATTRACTS THE BEST CLASS OF CUSTOM AND KEEPS IT

A favourite with those who prefer a toilet preparation of a creamy nature.

Other pharmacists are doing big business in 'HAZELINE' CREAM—*it pays them.*

A counter display will practically place it into the waiting hands of the willing buyer.

It will therefore pay you to give prominence to 'Hazeline' Cream.

Issued in tubes at 7/6 and 15/0 per doz. and in glass pots at 15/0 per doz. (subject).

BURROUGHS WELLCOME & CO., LONDON

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FLEXOIDS.
FLEXETTES.
FIZZZLETS. *(Suspended)*
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EXTRAITS AUX FLEURS.
ESSENTIAL OILS.
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ROSE WATER.
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HE CHEMIST AND DRUGGIST
ESTAB 1859

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades :: *Established 1859.*

: CHEMIST AND DRUGGIST is in circulation and reputation eading journal addressing the Chemical and Drug trades in the sh Empire and other countries in the Old and New Worlds. It e official organ of the Pharmaceutical Society of Ireland, the nists and Druggists' Society of Ireland, and of many Chemists' eties in Australia, New Zealand and South Africa.

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Coming Events.

Tuesday, February 24.

ster Pharmacists' Association, Lecture Theatre, Grosvenor Museum, Chester, at 8 P.M. Dr. J. Stanley White on "The Manufacture of Biological Products."

lgamated Society of Pharmacists, Drug and Chemical Workers (London Stores Branch), Arundel Hotel, at 6.45 P.M. Meeting.

Wednesday, February 25.

ningham Pharmaceutical Association, Imperial Hotel, Temple Street, at 8.30 P.M. Dr. W. H. Wynn, M.R.C.P., on "The Problem of Consumption."

nburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8 P.M. Papers on "Women in Commerce," by Mr. J. Robertson; "Catalysis," by Mr. J. Teesdale.

rpool Chemists' Association, Royal Institution, Colquitt Street, at 8 P.M. Dr. J. Stanley White on "Organo Therapeutics."

Thursday, February 26

titute of Ophthalmic Opticians, Royal Society of Arts, 18 John Street, Adelphi, London, at 8 P.M. Mr. W. S. Todd on "Optometry and Optical Progress in the United States."

erborough Chemists' Association. Annual meeting and dinner at 3 P.M. Tickets (7*s.* 6*d.* each) from Mr. J. W. Bodger, 45 Broadway, Peterborough.

ALING PHARMACISTS' ASSOCIATION.—A whist-drive will be held he Priory Club, Acton, on March 4.

LASGOW PHARMACY ATHLETIC CLUB.—A supper will be held in n's Café, Argyle Arcade, on March 2. Bowling and golfing es will be presented.

EST HAM ASSOCIATION OF PHARMACISTS will hold the annual ner at the Holborn Restaurant, London, W.C., on March 4, 6.30 P.M. Tickets (10*s.* each) from Mr. S. Clifford Jones, eckton Road, London, E. 16. Evening dress optional.

Experiences of the Great War.

Contributions to this section are invited.

XXVIII.—Aeroplanes and Artillery.

It is surprising how many pharmacists were enrolled as wireless operators in the ranks of the Royal Air Force, the majority of whom, at the time of enlisting, were as ignorant of the Morse code as the average civilian was of the King's Rules and Regulations. Having mastered the principles of wireless telegraphy, the operator was then sent overseas to a squadron, and, finally, attached to the Royal Field or Royal Garrison Artillery. Here the real work commenced, and it was necessary for the operator to be on duty a few minutes before dawn and remain there until dusk, and this, in the height of summer, meant rather a long day's work. The duties consisted of two parts; one was registration and the other, zone calls. Supposing a battery commander desires to register one or two spots in "Hunland" on which he has poor observation from his O.P., he rings up the squadron which works his part of the line, and tells them exactly what he wishes to register, and, as soon as the light is clear enough for registration, an aeroplane is sent up. Directly the 'plane leaves the ground the observer calls up the aerodrome in order to see that his wireless apparatus is working all right, and, on receiving the answer "Yes," the machine is turned towards the line. The observer now starts to call up the operator at the battery, and to inquire if the signals are being received. While the operator informs the battery commander that a machine is calling up, his "off man" puts out the ground strips. (Ground strips were pieces of white American cloth used for forming the code letters.) On learning that his signals

RECEIVING MESSAGES IN THE FIELD.

are O.K., the observer asks if the battery is ready to fire on the pre-arranged target. The answer being in the affirmative, the observer gives the order to fire, which the operator passes on to the battery commander. After a few seconds' interval, the message comes, stating exactly where that shot has fallen, and the B.C. alters his range accordingly. Again the order comes to fire, and this time the shot will probably be within a few yards of the target, and at the third or fourth attempt an O.K. will be registered. The observer will then inquire whether the battery is ready to fire on the next target, and, if he is answered by "Yes," sends "Fire," and a few seconds later the result of the shot. The Fire—Observation, Fire—observation continues again until another O.K. is registered. Should there be no more targets to register during that flight the observer sends C.I. and returns to the aerodrome. The *liaison* between aeroplanes and artillery became very efficient on the introduction of the

C

zone-call system. These zone calls could be sent by any machine fitted with wireless and the target fired on by any artillery which could reach it. Though a large number were sent and received every day, it was when a battle was in progress that they were made full use of. It was also during a battle that the operator required all his skill, as invariably two, three, or four machines would be sending calls at the same time; consequently it was no easy matter to follow one, especially if the "notes" were much the same. The nature of the calls varied from "a few infantry" to an S.O.S., but in trench warfare the majority were active hostile artillery positions. The high percentage of these calls received by the operators speaks well for the efficiency of all concerned, it being usually 95 per cent. to 100 per cent. Soon after the Armistice was signed those operators not sent with their batteries to Germany were recalled to the Royal Air Force, and it was with great regret that they parted from their friends in the R.F.A. and R.G.A. W. Leslie. (27/322).

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Wine-licence Applications.

At Dewsbury recently, Mr. Tom Lawton, chemist and druggist, was refused a wine off-licence by the local justices.

At Maidstone on February 11, a wine off-licence was granted to Mr. W. G. Wells, chemist and druggist, 36 Lower Stone Street.

Mr. Arthur Scott, chemist and druggist, 54 Falsgrave Road, Scarborough, applied to the Scarborough Licensing Committee on February 12 for a wine off-licence. Mr. Claude Royle represented the applicant, and Mr. G. B. Parker appeared in opposition. Mr. Royle having explained the reason for the application, said he understood that Mr. Parker was opposing the application on behalf of the temperance party. Mr. Parker: I oppose on behalf of the Society for the Better Enforcement of the Licensing Laws. Mr. Royle: I do not know anything about this august body. This licence, he continued, would not increase the facilities for drinking in the ordinary sense. Mr. Scott, giving evidence, said that he was quite willing to limit the licence to the sale of medicated wines. The chief constable remarked that one chemist who had a licence for the sale of medicated wines did not make enough profit to pay for the licence. Mr. Scott replied that a licence would pay him in other directions. The chief constable named a brand of medicated wine, and asked Mr. Scott if he liked it. Mr. Scott said he did not. The Chief Constable: I do. I think it is very nice. Should all grocers have a licence?—No, sir. It is the business of a chemist to sell medicated wines. It is not part of a grocer's business. Mr. Parker urged that the magistrates ought not to grant the licence when they were considering the question of reducing the number of licences in the borough. The application was refused.

Birmingham.

Scarlet fever and whooping-cough are still prevalent in the city.

A handsome materia-medica cabinet has been presented to the new Birmingham School of Pharmacy.

Dr. Maxted addressed the local section of the Society of Chemical Industry on February 12 on "Catalysis."

Claims against the estate of the late Mr. Arthur Blackbourn must be presented before March 25.

Captain E. C. Bennison, F.C.S., Ph.C., First Southern General Hospital, has been "mentioned" for war services. Captain Bennison was mobilised in August 1914, and is still serving.

The pharmacy classes at Suffolk Street, under Messrs. Berry and Rushbroke, are in need of autograph prescriptions. Any pharmacist who has a few to dispose of is invited to contribute them.

Recent contributions to the Lord Mayor's Euro Famine Fund include the following: Mr. and Mrs. G Cadbury, 500*l.*; Albright & Wilson, Ltd., 100*l.*; A man F. C. Clayton, Ph.C., 50*l.*; Sir Thomas Bar Ph.C., 50*l.*; Mr. Alfred Southall, Ph.C., 20*l.*

The Birmingham Dispensary has not been include the list of institutions recognised under the Pha ceutical Society's new by-law, though a number of pensers have been trained there. The Queen's Hos in the same list, ought, surely, to appear under "Birm ham."

Alderman F. C. Clayton, Ph.C., presided at the me of the Council of Birmingham University on the occ of the welcome given by that body recently to the Principal, Mr. C. Grant Robertson. The Treasury increased the annual grant to the University from 20 to 35,000*l.*, and has added a special grant of 20,000*l.*

Liverpool.

American supplies are coming slowly to hand at la increased prices.

The Lyceum reading-room, which forms part proprietary library 160 years old, will be open, understood, to delegates to the British Pharmace Conference.

In the course of some local strictures on methyl spirit drinking, it was stated, the other day, that women add burnt sugar to the spirit in the hop giving it a brandy-like flavour.

With enhanced wages, which run as high as 6*l.* a for some carters still in their teens, pharmacists that young men and women in rough garb can, and buy the more costly lines in soaps, perfumes, br and proprietaries. Business is in a transition stage

A northern representative of a famous London wrote to a Calcutta stores for a tin of "hump"—u stood to be a spiced meat. He got the "hump" in a sense when the bill arrived, as he found himself upon to pay four times the pre-war price for the deli

Manchester.

Mr. Melling, the well-known Manchester analyst, been appointed brough analyst for Oldham in succe to Mr. Estcourt.

In Manchester, last week, 711 fresh cases of infec diseases were reported, measles heading the list with Victims of whooping-cough numbered 87, and of sc fever 65.

Boisterous scenes were enacted in Manchester on F ary 17, when students at the University and the Co of Technology indulged in the usual Shrove Tue "rag." Owing to the large number of pharmacy chemistry students these departments made a brave in the revels.

At a meeting of the Manchester and District Ra Fund Committee held on February 12, Sir Wil Milligan stated that there was a scheme on foot to vide a new radium institute and *x*-ray department a estimated cost of 50,000*l.* The existing department been working at great inconvenience in the cellars o Royal Infirmary, and both the Infirmary board anc radium committee are anxious that a properly equi building shall be obtained for the work.

Miscellaneous.

Poison-licence Application.—Mr. L. Torkildsen, merchant, 3 Martin Street, London, E. 15, has applie the local authority for a licence to sell horticul poisons.

The Board of Trade announces that the Depart of the Inspector-General in Bankruptcy has removed 1 Horse Guards' Avenue, Whitehall, to Great Ge Street, Westminster, London, S.W. 1.

Euchlorine-gargle Explosion.—While preparin euchlorine gargle recently, Mr. T. W. Dunlop, che and druggist, Beulah Hill, London, S.E. 19, was seri injured by the explosion of the bottle in which th gredients were standing. It is understood that he lost the sight of one eye.

AL-TAR PRODUCTS.—The Board of Trade (Licensing on) announce that licences for the export of all coal-products, excluding finished dyestuffs, but including e oil and salts, granted prior to January 1, 1920, be revoked as from February 21, but applications for val will be considered if special cause is shown.

ISONING.—At an inquest at Emery Down, on Febru-4, on the body of Major R. Heaton, R.A.M.C., the nce showed that four small bottles were found beside ody, two of which contained morphine and atropine. edical witness stated that death was due to mercurial ning, adding that, being a doctor, the deceased would that death by this means would be painful, and ably took a little morphine to deaden the pain. A ict of "Suicide while of unsound mind" was rned.

HEFT FROM A SHOP.—A theft was committed on uary 14 at West's Drug Stores, 193 Brixton Road, don, S.W. 9. The premises are a chemist's shop in unction with a post office, and Mr. W. C. West, nist and druggist, conducts the business single-handed. ut four o'clock on the day in question a man came nd asked for two postal orders, tendering a 10*l.* note. r he had been given his change a second man entered inquired concerning a prescription; a third man, wing him, asked for a powder. While Mr. West was ged in serving the two latter customers, their accom-e took 27*l.* from the till.

ALE OF FOOD AND DRUGS ACTS.—In his recent quarterly rt, the Hull public analyst states that one sample of danum analysed was found to be slightly stronger in phine than the standard laid down, and a caution was ed to the vendor. A sample of friars' balsam had eficiency in extractive matter of 35.3 per cent. This found on inquiry to be due to the fact that one of its ortant ingredients, storax, has for some time been tically unobtainable, and this sample of balsam had n prepared without this ingredient. The vendor was ioned.—A fine of 10*l.*, with 10*s.* costs, was imposed at tlake Petty Sessions, on February 18, on Harry ley, grocer, Barnes, for selling raisin wine containing gr. of salicylic acid to the pint.

IRES.—On February 13 an outbreak of fire, caused by efective electric wire, occurred on the top floor of the rehouse of Thomas Blezard & Co., Ltd., wholesale ggists, Lord Street, Preston. Another fire was in pro-s in the borough at the time, but the brigade acted mptly, and the damage done was not very great.—An reak occurred recently on premises occupied by Potter, Clark, Ltd., at 10A Fairclough Street, London, E. e upper part of the building and the contents of a m in the basement were damaged.—Owing to a light g thrown down, there was a slight outbreak in a yard the rear of the premises of W. Fox & Sons, Ltd., mists, 276 Roman Road, London, E. 3, on February 14. n February 17 the warehouse of William Edwards & at 239 Upper Thames Street, E.C. 4, was involved an outbreak of fire which began at adjoining premises. l a certain amount of damage was done to stock and ures.

NON-CONGEALING CASTOR OIL.—Speaking at a reunion of staff of the Hull Oil Manufacturing Co., Ltd., Hull, ently, the managing director of the company said that s of castor-oil were turned out at the works for aero-nes. At least half of the castor oil required for the oplane service was made by "Homco." At a critical iod the authorities made representations to them that cold atmospheres the castor oil congealed, and con-uently did not run into the bearings of the engine, h the result that the engine got red hot. In fifteen tances airmen had come down and had been killed. tting to work on this problem their chemists, Mr. ldcroft and Mr. Waites taking the lead, soon found solution, and they were able to alter the nature of e castor oil to such an extent that, while still retain-g its lubricating properties, it would not congeal. They delivered over 5,000 tons of that oil to France without, so far as he could remember, one single complaint.

IN THE COURTS.—At Bow Street Police Court, London, on February 14, during the hearing of a case in which six men and a woman are charged, under Regulations 30E and 48 of the Defence of the Realm Act, with having committed acts preparatory to using gold coins otherwise than as currency, Mr. T. F. Pavier, cashier to Johnson, Matthey & Co., Ltd., assayers, Hatton Garden, E.C., produced a record of the numbers of bank notes paid out to one of the defendants who had been a customer of the company for several years. Mr. F E. Smith, also in the employment of Messrs. Johnson & Matthey, said that this defendant had made purchases of gold from him for some time past, principally in bars. Coinage gold had a twelfth of alloy. For the month of December 1919 there were eight transactions with him, involving a total value of 9,426*l.* The hearing was adjourned.—At Whitchurch, Shropshire, recently, Joseph Crewe was sentenced to three months' hard labour for wilfully breaking a plate-glass window at the shop of Mr. S. C. Rowland, chemist and druggist, High Street, and doing damage to the extent of 18*l.*—At Clerkenwell Police Court, London, on February 17, W. Humberstone, carman, charged on remand with stealing from 120 Pratt Street, Camden Town, four syphon tops, value 16*s.*, the property of Idris & Co., Ltd., his employers, pleaded guilty. The value of the tops as old metal, it was stated, was 3*s.* 6*d.* per lb., but their value as tops to syphons was 4*s.* each. Humberstone was sentenced to one month's imprisonment.—At Kent Assizes, on February 18, Mary A. L. Woodger was sentenced to ten years' penal servitude for having administered laudanum to her husband with intent to murder (*C. & D.*, 1919, p. 1492).

Irish News.

Galen Masonic Lodge.

The installation dinner in connection with the Galen Masonic Lodge (No. 437 Belfast) was held on February 11 at Thompson's Restaurant, Donegall Place, Belfast. The arrangements for the function were carried out by the secretary, Bro. Hugh Crail, P.M., and about sixty sat down to the tables, Bro. Andrew Wilson, W.M. for the year, presiding. Bro. McKinstry (Organist of the Lodge) had secured an exceptional array of talent for the occasion. The whole proceedings were characterised by an enthusiasm which augurs well for the future of this Lodge. Although not yet two years in existence, over 70*l.* was devoted during the past year to the various Masonic charities. The singing of "Auld Lang Syne" and "God Save the King" brought to a close an evening which assisted in further cementing the friendly relations which exist among the members of the drug-trade in Ulster.

Scottish News.

Brevities.

The high price of bottles has induced wholesalers to accept any kind of glassware as "empties."

A branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers has been formed for Paisley and district.

A scheme has been prepared for mining garnets, sapphires, and the rarer metals in the northern regions of Scotland.

Mr. George M. Cruikshank, chemist and druggist, has been appointed a member of Turriff town council. For many years Mr. Cruikshank has actively associated himself with local municipal work.

Goodwill is now rarely paid in Scotland in connection with the transfer of a business. The general rule is "stock and fittings at valuation," and any such valuation yields a return much in excess of pre-war value.

At a certain Scottish college there appeared on the board one day a photograph from a daily paper showing an aged couple drawing the increased pension. The headlines, however, read: "A pharmacy student drawing his first payment under Ministry of Labour training scheme."

"The eclipse of the 1*s.* 3*d.* proprietary, so often foreshadowed in the pages of the *C. & D.*, will soon become a fact," writes a correspondent. "We must put our faith, and our money, in the 3*s.* and 5*s.* sizes, which could be made to pay the proprietor well and leave a generous margin for wholesalers and retailers.

The Aerated Waters Trade Board for Scotland proposes to fix general minimum time rates of 7½*d.* an hour for female workers of eighteen and over, 1*s.* 2*d.* for male workers of twenty-one and over, and lower rates for younger workers. An overtime rate for all time in excess of forty-eight hours in any week, on the basis of time and a half, with double time for all hours worked on Sundays and on generally recognised district holidays not exceeding six in number in any one year is also provided for.

Dundee.

The Food Vigilance Committee recently had a complaint by a local trader who demurred at paying 1*l.* 6*s.* for the repair of a set of scales which had only been out of his premises for four hours. The secretary stated that, no matter how long or how short a time it took to do the repair, the charge was the same.

Edinburgh.

Lyle & Co., manufacturing chemists, 6 North West Circus Place, Edinburgh, have purchased the adjoining property.

A local firm of wholesale grocers is offering chemists patent medicines without adding the additional 1½ per cent. for carriage.

A start will be made next week by the Edinburgh Pharmacy Athletic Club in the billiards handicap for the Davis Challenge Cup.

Owing to the number of players who find it impossible to forsake their studies for football, Pharmacy United have been compelled to scratch this week's fixture with Tynecastle.

Colonel J. F. Mackay, of Whitehouse, Cramond, a director of John Mackay & Co., Ltd., presided at the recent opening ceremony of a "Comrades of the Great War" Club at Davidson's Mains.

Speaking in Edinburgh recently, Sir James Leishman, chairman of the Scottish National Health Insurance Commission, said that the National Insurance scheme was thoroughly solvent. There were going to be huge surpluses, and one of the difficulties would be what to do with the money.

Glasgow.

Grierson & Murchie, chemists, 12 Bridgeton Cross, are removing to 129 Canning Street, Bridgeton.

More than 240,000 invitations have been issued to view the exhibits at the British Industries Fair in the Kelvin Hall.

A football match on February 14 between Anderson's College of Medicine and the School of Pharmacy resulted in a win for the former by three goals to two.

Glasgow Corporation has received a claim for 500*l.* by a father on account of the death of his seven-year-old son as the result of eating poisonous berries in the Botanical Gardens.

We note the arrival in London this week of three cases eau-de-Cologne from Cologne.

All applications for licences to import into Germany, or export, vegetable drugs and essential oils will be dealt with exclusively by the Aussenhandelsstelle für Drogen und ätherische Oele, in Hamburg.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the mark are grouped, for a list of which, with particulars as to registra tion. See "The Chemist and Druggist Diary" 1920, p. 308.

(*From "The Trade-marks Journal," January 7, 1920.*)

"Ausby" and "Suproleum"; for all goods (47). By Byass & Co., Ltd., 4-6 King Street, London, E.C. 396,882.

"Zulanda"; for perfumery, etc. (48). By W. C. Atkinso 13A Lever Street, Manchester. 395,805.

"Pears' Pride" and device of two pears on circles wi striped background; for perfumery, etc. (48). By A. F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 395,929. (Associated.)

"Viradium" ("Radium" disclaimed); for hair prepar tions (48). By A. Roebuck, 13 Marco Road, Hamme smith, W. 6. 396,221.

"Phixah" under signature "J. W. Gardner" ("Phixal disclaimed); for all goods (48). By J. W. Gardne 54 Chatsworth Street, Edge Hill, Liverpool. 396,349.

"Triumph"; for brushes (50). By J. S. Job, 82 Hop E change, London, S.E. 1. 396,145.

"Minerva" under device of head of same; for goods (5 By Copestake, Crampton & Co., 5 Bow Church Yar London, E.C. 4. 396,216. (Associated.)

"Saloid"; for non-inflammable celluloid (50). By Safe Celluloid Co., Ltd., Abbey Road, Park Royal, Willesde N.W. 10. 396,652.

"Rocardum"; for goods (50). By the Albany Stain a Blacking Co., Ltd., 121A Highcross Street, Leicest 396,958.

"Roxana"; for polishes, etc. (50). By H. F. Garra 31 Meriden Street, Coventry. 397,549.

(*From "The Trade-marks Journal," January 14, 1920.*)

"Condensite"; for phenol methylene compounds (1). Condensite Co. of America, corner of Bloomfield Avenu Bloomfield, Essex County, New Jersey. 395,361.

"Fleeces as White as Snow," with picture of slung shee for all goods (1). By the Sulphus Chemical Co., Lt Eccleshill, Bradford. 395,795. (Associated.)

"Crephos"; for all goods (1). By Best & Co., 32 Gre St. Helens, London, E.C. 3. 396,969/70.

"W H C" monogram and Wilkinson, Heywood & Clar Limited, on triangular device; for chemicals (1). Wilkinson, Heywood & Clark, Ltd., Wharf Road, Cub Town, London, E. 14. 397,134. (Associated.)

"Gumiol"; for all goods (1). By Emulsion Aktie-Selska Kronprinsessegade 50, Copenhagen, Denmark. 397,503

"Spero"; for insecticides (2). By J. Young, The Haug Rutherglen, near Glasgow. 391,576.

"Fertabs" and "Briscar"; for fertilisers (2). By A. Carter, Ltd., Albion Chambers North, Small Stre Bristol. 395,653; 395,878. (Associated.)

"The Copper" over picture of policeman ("The Copper disclaimed); for all goods (2). By McKechnie Bro Ltd., Rotton Park Street, Birmingham. 395,796.

"Anatox"; for a parasite destroyer and remedy f animals and plants (2); "Bloomovis"; for a sheep-d (2); "Argolina"; for a disinfectant (2); "Idressol" for an external veterinary preparation (2); "Husk tol"; for a husk remedy (2). By T. Bigg, Lt 117 Church Street, Deptford, S.E. 8. 396,111/2/3/4/5

"Isoline Brand Liquid Antiseptic Preparations f Burns"; for burn preparations (3). By F. G. Stewa 185 Commercial Street, Kirkcaldy, Fifeshire. 393,07

"Eno"; for fruit salt (3) and for a beverage preparati (42). By J. C. Eno, Ltd., 25 Pomeroy Street, New Cr Road, London, S.E. 14. 393,819/20. (Associated.)

"Babs-joy Powders" and facsimile signature "Morg Thomas" ("Babs-joy" disclaimed); for chemicals f infantile diseases (3). By T. B. Davies, 52 Castle Stre Caerphilly, Glam., and others. 394,363.

"Yess" surrounded by words "Youth," "Energy "Strength," "Security"; for medicinal chemicals (By A. E. Andrews and E. J. Cowell, 1 Addison Villa Goldsmith Road, New Southgate, London, N. 395,649.

"Leefar Brand a Remedy for Lung Troubles"; for a lu remedy (3). By E. W. Farlie and A. J. Porter, 269 Wo wich Road, Charlton, S.E. 7. 395,675.

"Gee's Lobelline," etc., with portrait of E. M. G ("Gee's" and "Lobelline" disclaimed); for a coug mixture (3). By Squire & Co., Birmingham, Lt Stirchley, Birmingham. 396,274.

"Hexavion," "Octavia," "Duodecia," and "Duodecion" for binoculars (8). By Negretti & Zambra, 38 Holbo Viaduct, London, E.C. 1. 395,641/2; 396,292/3. (Associated.)

The Profiteering Act.

Notes.

REPLACEMENT VALUES.

Bermondsey Profiteering Committee has decided to to the Board of Trade against the recent instruc- the Board dealing with replacement values, which ttees are to take into consideration when determin- reasonable profit."

COMMITTEE'S LIGHT DUTIES.

Chertsey Profiteering Committee met for the first n February 9. It was reported that only two com- had been lodged, and that neither of these came the Committee's province; and the chairman, in the proceedings, remarked that he hoped it would necessary for the Committee to meet again.

BOARD OF TRADE CIRCULAR.

circular (P.A.D, 25) recently issued, the Board of summarise the alterations that have taken place in iginal Statutory Rules and Orders relating to the ering Act (1919, No. 1515) since they were issued. in other matters upon which Local Committees have for guidance" are also discussed, the most impor- eing those referred to in a letter from the Board ade quoted in THE CHEMIST AND DRUGGIST of y 24 (p. 49). The following extracts from the t circular are of interest to chemists:

amendment of Regulation 13 authorises Local Com- to serve notices required to be delivered to a com- nt or respondent at such person's place of business al or last known place of abode.

ilations 15 and 16 have been amended in order to Local Committees to extend the time within which ints may be lodged to fourteen days from the date sale or offer for sale complained of. . . . In no case he Local Committees any power to extend the time l fourteen days without the consent of the Board of

preliminary investigation should invariably be held *era*, and no communication concerning the names of rties to any complaint should be issued to the public uch time as the complaint is heard in public.

understood that in some cases Local Committees have sked to hear and determine complaints in cases where has been no definite offer to sell any particular article complainant, the complaint being founded upon the of an article which the complainant has seen exhibited shop window. While the expression "sale" in the ering Act includes an offer to sell, it is considered ocal Committees would be acting within their jurisdic- n dismissing on the preliminary investigation any ant in which there has been no definite offer to sell rticle to the complainant.

complainant should in all cases personally attend the g of the case to support his complaint, and should plainant fail to attend the hearing, after being duly d of the date, time, and place of hearing, his complaint l be dismissed forthwith, without the respondent being upon to give evidence. . . Should publicity have been to the names of the parties to the complaint at the g, it is of course only reasonable that the respondent, so desires, should be given an opportunity of making ement concerning the case.

It is obvious that in deciding what is the reasonable for any article the Local Committee must have regard the circumstances of the case, including, amongst other s, not only the price originally paid for the article uestion, but also the current cost price of a similar e.

Local Committee should be prepared to give due nt to evidence of facts relating to a particular article ass of articles which would justify a large margin of , and also to evidence as to the amount of net profit by the business or department as a whole over a antial period of time.

ould a Local Committee be in any doubt or difficulty rning the reasonableness or otherwise of the profit nt or made on the sale of any particular article, there reason why they should not adjourn the case and advice from tradesmen or other persons having a know- of the particular trade.

here a Local Committee decide to take proceedings, the ler should be informed of this decision at the same time e is informed of the decision of the Committee on the rest of the case. While there is no appeal against the decision to take proceedings, there is a right of appeal against the other part of the decision—namely, the declaration of the reasonable price and the order to refund, and the fact that proceedings are about to be taken is a material item which the seller is entitled to take into consideration in deciding whether or not he shall appeal to the Appeal Tribunal against the decision of the Local Committee. In no case should any action be taken to initiate the proceedings before a Court of Summary Jurisdiction until the time within which an appeal may be made to an Appeal Tribunal has expired, and in the event of an appeal being made no proceedings should be instituted until such time as the decision of the Appeal Tribunal on the case is known. Should the Appeal Tribunal vary the decision of the Local Committee, the Local Committee will no doubt wish to reconsider the question of taking proceedings. . . .

Any Inspector or Agent appointed by the Local Committee will be the agent of the Local Committee, and as such he should not lodge complaints or appear as a formal complainant before the Local Committee appointing him. Any complaints of alleged profiteering brought to the notice of a Local Committee by an Inspector or Agent appointed by the Local Committee should be investigated under Section 1 (1) (*a*) of the Act, and not otherwise, and on such investigation the Local Committee has no authority to declare the reasonable price for the article in question or to order a refund of any sum paid in excess of such reasonable price, its executive powers being confined to the taking of proceedings against the seller in a Court of Summary Jurisdiction under Section 1 (2) of the Act.

Appeals.

At the sitting of the Lanarkshire Appeal Committee in Glasgow on February 17, Wilson, Macnie & Co., Ltd., chemists, appealed against the decision of the Glasgow Profiteering Committee ordering them to refund 1*d.* on a charge of 9*d.* made for a tin of White Cross Baby Powder (*C. & D.*, January 3, p. 67). After evidence had been given by several witnesses for the respondents, the appeal was allowed.

At the sitting of the London Appeal Committee on February 18, Mr. A. I. Lardent, trading as A. C. Hancock, Ltd., Tower Bridge Road, S.E., appealed against the decision of the Bermondsey Profiteering Committee ordering him to refund ½*d.* on 1 oz. of camphorated chalk, and directing a prosecution (*C. & D.*, January 24, p. 50). Mr. Walter Frampton, who appeared for the appellant, said that, like many complaints against chemists, the allegation against the appellant was founded on the fact that at Messrs. Boots' shops similar chalk sold at 3*d.* per oz. The local Committee referred the camphorated chalk to an analyst, and in reading the report of that gentleman no notice was taken of the statement that, owing to the volatile nature of the substance, it would evaporate. The appellant had had an analysis made of his own preparation, and it was found that it contained 11.8 per cent. of camphor. The chalk prepared by Messrs. Boots was found to contain 9.1 per cent. of camphor. Mr. C. Bennett, who made the analysis, said he had made experiments to find out the extent to which camphor evaporated, and had found that about 50 per cent. went in one day. A representative of the local Committee said that in coming to their decision the Committee allowed the defendant a profit of 50 per cent. on his admitted cost price, or 33 per cent. on his turnover. The analysis made for the local Committee showed between 2 and 3 per cent. of camphor. The chairman (Judge Snagge) said that evaporation would possibly account for the small amount of camphor found in the first sample. Mr. Woolley Walden, a member of the Committee, asked if any evidence was given to the local Committee as to the usual retail price, and was told that the evidence was that Messrs. Boots sold theirs for 3*d.* per oz. Mr. Frampton pointed out that Messrs. Boots were in a position to work their business at a considerably less percentage as regarded their overhead charges than small traders could possibly do. The chairman said the appeal would be allowed. He added that it was unfortunate that the facts put forward that day on behalf of the appellant were not laid before the local Committee. At the same sitting, Boots Cash Chemists (Southern), Ltd., appealed against a decision which had been given by the Bermondsey Profiteering Committee, ordering a refund of 9*d.* on a charge of 2*s.* made for Iodex, and

directing a prosecution (*C. & D.*, February 7, p. 70). Mr. Bramall, who appeared for the appellants, said that the jar of Iodex in question was sold by Menley & James, Ltd., to Boots Pure Drug Co., Ltd., for 1*s.*, and was sold by them to Boots Cash Chemists (Southern), Ltd., for 10¾*d.* on November 15 last. The Proprietary Articles Trade Association from time to time fixed prices with the express object of preventing the ordinary small chemist from being driven out of the trade. In December last this Association issued a notice raising the prices of Iodex to 18*s.* per doz. to the chemist, and the selling price to 2*s.* a jar. Mr. Bramall went on to quote a case against his clients which had been held before the Bermondsey Committee, who had ordered a prosecution—which case was still pending, the magistrate not having yet given his decision. In that case the principle was raised that they were entitled to charge the current prices irrespective of the price at which they bought. The chairman said that was a matter which the Appeal Committee would have to take into consideration, but they were not prepared to accept it as a conclusive factor. Mr. Bramall said that a circular had been sent to the particular shop where the purchase was made, instructing the manager to clear the old stock at 1*s.* 3*d.*, but that circular was not authorised by Sir Jesse Boot. When the complainant went into the shop and asked for that particular jar of Iodex, the manager forgot that he had to charge the old stock at 1*s.* 3*d.* The chairman pointed out that a mistake on the part of an employé did not always exonerate the company. Mr. Bramall agreed. He then proceeded to read an extract from the instructions which had been issued by the Board of Trade to the Profiteering Committees. It had been said that prices were always rising, but that was not so in Messrs. Boots' business, and he instanced the fall which had taken place in the price of saccharin tablets. The chairman said that in view of the cases which were pending, and the establishment of a principle of replacement value, it seemed inadvisable to give a decision on that particular case, which would therefore stand adjourned until after that question of principle had been decided upon.

Central Committee Cases.

The Complaints Tribunal of the Central Profiteering Committee sat at the Hôtel Windsor, London, S.W., on February 12, under the chairmanship of Mr. W. Marshall Freeman, barrister-at-law. In opening the proceedings, the chairman said that there had apparently been a good deal of confusion, both in the Press and the public mind, as to the nature of that Tribunal. He wanted to make it quite clear that that Tribunal was in no way connected or associated with the work of the local Tribunals or the county appeal Tribunals. It was the only Tribunal in the land at present which dealt with complaints by retailers against the wholesalers. It was expected that shortly a wholesale Tribunal—a branch of that one—would be sitting at Glasgow. He noticed, on looking at that day's list, that in one of the cases which would come before them a federation of retail traders' associations appeared as complainants, and he thought it important that it should be understood that that was quite in order, and that if any retailer feared for any reason, solid or otherwise, to appear as a complainant, it was quite open to him to refer the matter to his trade association, and in that way to have his complaint brought before the Tribunal. The chairman also said he had observed on numerous occasions a disposition on the part of firms accused or found guilty of profiteering to set up a contention that the goods they had handled were in the nature of a side line, that they were not part of their ordinary business, and that they only used the materials in small quantities, and were not in a position to buy properly. The Tribunal could not accept arguments of that kind. If firms chose to go out of their way and handle any goods they must expect to be treated on the same basis as wholesalers who dealt with them in the ordinary course of their business.

The first case was one in which the Federation of Grocers' Associations, 49 Eastcheap, E.C., complained that Messrs. Sutcliffe Brothers, 90 Queen Street, E.C., offered Sunlight soap to a member of the Federat 53*s.* a case net, whereas the makers' list price time was 42*s.* 3*d.* and 43*s.* 3*d.* a case, les count. It was stated for the complainants tha light soap was being offered wholesale at a price than the regularly observed retail price. Respo case was that the soap was offered to them by anoth at 51*s.* 6*d.* a case. The hearing was adjourned evidence of the firm who were said to have offer soap to the respondents.

At the same sitting, Winstone & Co., Ltd., Cross Finsbury, E.C., were the respondents in a case in the articles in question were white lead, turpentin linseed oil. It was stated for the complainant th market price of white lead at the time of the action was 80*s.* 6*d.*, *plus* 1*s.* 6*d.* carriage; it wa to complainant for 105*s.* The market price of t pentine was 11*s.* 3*d.*, and carriage 2*d.*; it was complainant for 15*s.* The market price of the oil was 9*s.* 9*d.*, and carriage 2*d.*; it was sold for 1 Refunds amounting to 3*l.* 16*s.* 6*d.* were ordered.

At the same sitting, a complaint was inves which had been lodged by Mr. H. Morris, general 152 Hoxton Street, London, N., against Mr. S. 30 Umberston Street, E. The complainant state last year he bought a barrel of vinegar from spondent. At that time he did not know that the different sorts of vinegar, and he asked how it be sold, and was informed by the respondent should be retailed at 4*d.* a pint. He was charged for a barrel containing about 4½ gallons. Some vinegar he sold to an inspector of the Shoreditch B Council, and a summons was subsequently issued him. On giving an explanation to the magistra summons was adjourned *sine die*, in order that the complaint might be investigated. His complaint w the vinegar had been adulterated to the extent o 50 per cent. with water. Mr. W. Sicklemore, an in under the Food and Drugs Acts employed by the ditch Borough Council, said he took a sample of from the defendant. It was analysed, and was fo contain only 1.87 per cent. of acetic acid, whereas vinegar should contain 4 per cent. The Chairma W. Marshall Freeman): What is generally underst vinegar?—There are two classes of vinegar, wood and malt vinegar. Malt vinegar is brewed, an vinegar is made from diluted acetic acid and col A second inspector in the employ of the Sho Borough Council said that at a later date he visi complainant's shop and he was shown a gallon jar densed vinegar, which he was told had been supp the respondent. That condensed vinegar had diluted by the retailer to the extent of "12½ Mr. S. G. Stubbs, the investigating officer to th mittee, gave evidence as to the manner in which was prepared. The Chairman: Is brewed vineg sold in concentrated form?—Yes, and it is called vinegar, and is sold in Scotland. The artificial vi prepared from acetic acid; water is added an coloured with caramel. The malt vinegar usually called "16," and contains approximately 4 per acetic acid. Ordinary acetic acid is sold at 9½*d.* by the wholesale drug houses. The Chairman: I of the acetic acid and 96 pints of water would about 100 pints of this liquid, which only requir brown sugar to make the substance which is vinegar-substitute?—Yes, and, at the outside, t cost would be less than 4*s.* The Chairman: T price of brewed vinegar would be very much m would be more, but not very much. The witne on to say that the manufacturers of brewed vineg gradually being driven out of business owing to increasing use of the wood vinegar. During the price of vinegar had about doubled. The respondent evidence, said he had never sold vinegar to the comp but only to the father of Mr. Morris. The vinegar tion he obtained from a man named Cooper, li Whitechapel, and he purchased one barrel for He sold it to the complainant at the same pri pointed out that he never stocked vinegar, and

blige the complainant. The chairman, in giving cision of the Tribunal, said : The Tribunal have red this case, and accept the evidence which has iven by the complainant, and they do not believe idence which has been given by the respondent. se itself is a small matter, but it does technically within the description of a wholesale transaction. Tribunal are of opinion that a reasonable price to for this barrel of stuff called vinegar would have s., and that is putting quite a liberal interpreta- pon the transaction from a financial point of view, e order the respondent to refund 2*s.* 3*d.* Although opinion of the Tribunal this is a small matter, the ction is one of very great and widespread public ance. We have it in evidence that instead of the , particularly in poor districts, getting vinegar, by the ordinary individual would suppose he was g malt vinegar brewed from grain and containing e aromatic and other desirable properties which inegar its peculiar flavour, a habit has grown up gard to which apparently the Local Government and the courts of justice are powerless at the ut to deal. We find that whereas, in the process of ng malt vinegar, it happens necessarily that a n amount of acetic acid is produced, it is possible by getting commercial acetic acid, which is cheap, and diluting it liberally with water, and g a little caramel in to colour it, an article is pro- which an ordinary person, and particularly among orer classes, would not distinguish very readily from brewed or malt vinegar. The Tribunal have had e them two reports made by experts connected with Local Government Board, and know from the evi- that in malt vinegar there are three recog- qualities. There is what is called "16" y, which contains 4 per cent. of acetic acid, derived the process of fermentation and distillation, and we also that "16" quality has been adopted—and y adopted, we think—by the Local Government l experts as a suitable standard, as it is vinegar n is suitable for all the usual domestic purposes for n it is required. With regard to "12" quality, that e produced by anyone who requires vinegar with a less pungency. On the other hand, the "24" quality ar can be produced by adding a little acetic acid. lesire to express the opinion that the Local Govern- Board are right in assuming that the ordinary "16" d be the standard vinegar. It is greatly to be re- ed, and it is to the detriment of the public, because ens the door to very extensive and systematic fraud, low this vinegar-substitute to be sold, whether by esalers or retailers, without the purchaser being given ly to understand that what he is getting is not malt gar at all, but merely acetic acid that could be bought d. per lb. Four parts of the latter diluted with arts of water and coloured with a little caramel, the of which is infinitesimal, can be made to produce parts of this vinegar substance. We know that the ulty is that there is no statutory provision at the ent time by which the Local Government Board are led to set up and insist upon a standard. There is tory provision for a standard in regard to milk. The tion has often been debated, and we desire to express s our opinion that the time has come when further tory powers should be provided for the Local Govern- t Board, and we think that this subject of vinegar is which is typical of the articles the sale of which may to gross public frauds, in particular upon the poorer ses of the community. We suggest that in regard to , at all events, there should be statutory powers, so whether the sale of this diluted and coloured acetic is legal or not, it should be made illegal for anyone ell it unless it be clearly given to the purchaser to erstand that it is not vinegar in the sense of brewed malt vinegar, but that it is a cheap substitute for it, possessing the aromatic and other beneficial qualities ch pure brewed malt vinegar contains.

Complaints.

OVER.—At a recent sitting, the Profiteering Com- ee received for investigation a complaint in which it was stated that a chemist had charged 3½*d.* for a bottle under the National Health Insurance scheme. A copy of the complaint was forwarded to the chemist, who, in reply, pointed out that the case did not come under the Act, as there was no question of sale, the charge being a deposit on the bottle. The complaint was dismissed.

HAMPSTEAD.—At the sitting of the Profiteering Committee on February 13, C. B. Allen & Sons, chemists, 20 High Road, Kilburn, N.W., were the respondents in a complaint of alleged overcharge for the following mixture :

Salol	ʒij.
Tinct. nucis vom.	ʒij.
Tinct. bellad.	♏xlviij.
Nepenthe	♏xij.
Tinct. card. co.	ʒiv.
Glyc. peps. acid.	ʒvj.
Mucil. acac.	℥j.
Inf. caryoph. (recent.) ad ...	℥vj.

The price charged was 3*s.* 9*d.* The complainant stated that 2*s.* had been quoted for the same mixture at four other shops. Mr. C. H. Kirby (Neve, Beck & Kirby), instructed by the Chemists' Defence Association, Ltd., who appeared for the respondents, explained that the time occupied in dispensing the mixture was twenty minutes. In response to a request from the Committee for invoices, he said that prescriptions were priced by Messrs. Allen from current lists, and that it would be impracticable to trace an invoice for each item. After a brief hearing the Committee, without questioning the soundness of Messrs. Allen's costing system, ordered a refund of 9*d.* An appeal has been lodged.—At the same sitting, S. Allchin & Co., chemists, 28 England's Lane, Hampstead, N.W., were similarly called upon to answer a complaint in respect of the following mixture : Salicin, 3j. ; sodii salicyl., 3j. ; phenazoni, 3iss. ; spt. chlorof., 3ij. ; aq. dest. ad ℥vj. The price charged was 4*s.* The case was dismissed. The same respondents were ordered to refund 6*d.* on a charge of 3*s.* 4*d.* made for 4 oz. of Alexandrian senna pods. They were defended by the Chemists' Defence Association, Ltd.

KENSINGTON.—At the sitting of the Profiteering Committee on February 16, the hearing of a complaint against H. Smith & Co., chemists, 170 Holland Park Avenue, W., in respect of a charge of 1*s.* 6*d.* made for 100 cascara-sagrada tablets (*C. & D.*, February 14, p. 53) was concluded. Mr. C. H. Kirby (Neve, Beck & Kirby), instructed by the Chemists' Defence Association, Ltd., appeared for the respondents. The hearing had been adjourned in order that the complainant might produce evidence as to the quality of some cascara tablets he purchased at a cheaper rate elsewhere. The chairman read a letter sent by Mr. Harbord, a chemist in a poorer district than that in which the respondents carry on business, stating that he sold bottles of 100 cascara tablets for 9½*d.*, but that it was almost needless for him to remind the Committee that, with a view to attracting custom and in order to meet competition, he thought it advisable to sell the article at this low price. The chairman mentioned Philip's "Standard" Retail Price List, in which, he said, he found 2-gr. cascara tablets priced at 9*s.* per doz., with the retail price as 1*s.* 3*d.* On the other hand, he believed there were cascara tablets (Burroughs and Wellcome's) sold at a higher price. He also read a letter from the respondents' predecessor in the business, stating that the selling price was 1*s.* 6*d.*, which was the figure at which he had sold the cascara tablets last year and during the war. The cost price of these was 1*s.* per 100. What the Committee had to consider was whether, in view of all the circumstances, an unreasonable profit had been made. The complaint was dismissed.

WORTHING.—At its sitting on February 17, the Committee further considered the case of Boots, Ltd., against whom a complaint had been made with regard to the sale of an elastic stocking (*C. & D.*, January 10, p. 52). The clerk having read a letter from the Board of Trade, the Committee decided that there was no *prima facie* case, and dismissed the complaint.

Prosecutions.

At North London Police Court, on February 16, Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1, were summoned by the Hackney Profiteering Committee for selling at their branch at 345 Mare Street, Hackney, E., a 2-oz. packet of cotton-wool for 1*s*. (*C. & D.*, 1919, p. 1431). Mr. Chalenor appeared in support of the summons, and Mr. G. Washington Fox defended. Mr. Chalenor said that the defendant company were selling wool which they had purchased from Mr. W. G. Taylor, Saltley, Birmingham, at 2*s*. 11*d*. per lb. The Committee held that 6½*d*. ought to be the selling price for 2 oz. The company appealed, and the appeal was dismissed (*C. & D.*, January 24, p. 49). Mr. Washington Fox, for the defence, admitted the facts. He said that the company carried on both a wholesale and retail business, and he hoped to show that the Act had not been contravened. There were two ways of ascertaining profits—one by comparing the wholesale price with the selling price, and the other by ascertaining the market price on the day of sale and comparing the selling price with that. The pre-war cost of cotton-wool was 1*s*. 5*d*. per lb., and at that price 2 oz. would be 2⅓*d*. It was usually retailed at 4*s*. per lb. The post-war cost was 2*s*. 11*d*. per lb., or 2 oz. for 4¾*d*.; the market price was at the time of this sale 3*s*. 10*d*. per lb., or 5¾*d*. for 2 oz. What the local Committee did in this case was to say: "You bought this wool at 2*s*. 11*d*., and selling it at 2 oz. for 1*s*. you made a profit of 174 per cent." He submitted that that was an entirely erroneous way of looking at the matter. The fact that the defendant company secured a favourable price by buying by the ton was entirely overlooked. Chemists had to deal with a very large variety of articles: on some the profit was small, on others it might appear to those who were not in the business to be large. In the case of cotton-wool, there were three qualities; this wool was the best. The company did not make large profits, the dividend on the share capital being at the rate of about 10 per cent. Mr. Chalenor pointed out that last October the complainant had purchased wool from Messrs. Boots at the rate of 3*s*. 6*d*. per lb. Mr. Washington Fox said he would not dispute that. The cheaper wool might be bought at that figure. The Magistrate: The question of quality is vital in this case. Mr. Washington Fox produced various numbers of The Chemist and Druggist to show that the quotation for cotton-wool varied from 3*s*. 6*d*. to 1*s*. 10*d*. per lb. Mr. Alfred Higgs, J.P., treasurer of the Thames Valley Pharmacists' Association, giving evidence, said that he had been associated with the business of a retail chemist for forty-eight years. There were three qualities of cotton-wool. The wool purchased in this case was the best, and he produced a list showing that the wholesale price before the war was 1*s*. 5*d*. per lb. It was retailed at 3*d*. per oz. Messrs. Allen & Hanburys quoted it then at 2 oz. for 6*d*. In October 1919 the market price was 3*s*. 10*d*. per lb. The percentage of profit now was 174; before the war it was 182. Cross-examined: He considered that on this class of article 182 per cent. was a reasonable profit for a retail chemist. That had been the rate of profit during the war. Mr. Chalenor: During the time that there were 33,000 wounded men in London: do you think that was a reasonable profit to make on an article that wounded men needed?—Hospitals do not buy from retail chemists. They buy from the makers in large quantities, and frequently at a cheaper rate than we can buy. But don't you think that it is unreasonable to make such profits now?—No, I do not. The chemist is a professional man, and his overhead expenses are enormous. In answer to further questions, the witness said he believed that Messrs. Parke showed a return of 4,931*l*. on an invested capital of 73,600*l*. Messrs. J. A. Alban Atkin, E. A. Atkins, A. R. Keith, and H. S. Watson were present as witnesses, but were not called. The magistrate said that, in the absence of any identification as to the quality of the wool in question, it seemed to him that the prosecution had failed, and, in view of the evidence which had been given, that the profit made was lower than that made before the war. He m dismiss the summons. Mr. Washington Fox unsucc fully applied for costs.

At Old Street Police Court, London, recently, Fa Premislow, 226 Globe Road, E. 2, was summoned charging 5*d*. for 2 oz. of mustard and 6*d*. for 2 oz. pepper. She was fined 5*s*., with 15*s*. costs, on e summons.

At Tower Bridge Police Court, on February 14, hearing of the summons against Boots Cash Chem (Southern), Ltd., for selling, "at a profit which in circumstances is considered unreasonable," a bottle Rogers' Nursery Hair Lotion (*C. & D.*, February 7, p. was continued. Mr. Travers Humphreys supported summons, and Sir Archibald Bodkin defended. The c for the prosecution was concluded at the previous he ing. Mr. A. Carr, the first witness for the defence, s he had been manager of the Southwark Park Road bra of Messrs. Boots for five-and-a-half years. The bottle "Rogers" produced had on the printed label "1 marked in pencil. The price printed on the label "8*d*." The "1*s*." was put on at the shop. Sir Bodkin: The fact that the bottle bore an 8*d*. label sh that it had come into stock before September 1918?—Y After that 1*s*. became the current price. He knew t from the retail prices department at Nottingham. T department was attached to the wholesale. Humphreys: I should like to know, as manager of t branch, what you did with old stock when told to ra the price?—We either put on a new label or marked a larger price. Our goods and instructions came fr Boots Pure Drug Co.'s retail price department. Percy Sparks, chemist and druggist, London manager Boots Pure Drug Co., Ltd., giving evidence, explained system of charging from that company to Boots C Chemists (Southern), Ltd., and generally corrobora Sir Archibald Bodkin's opening statement for the defen He added that the "Southern" company had no wa house, but got its stock from Boots Pure Drug Co. branch manager of a retail shop got his stock by putt orders through to the London or Nottingham warehou of Boots Pure Drug Co. in triplicate. Before Septem 1918 the cost price of Rogers' Lotion was 4*d*., and retail price was 6*d*. Witness's company had never s it at 7*d*. They used to sell the 7*d*. size at 6*d*. This v before and during the early days of the P.A.T.A. Wh first on the P.A.T.A. list it was sold at 6*d*. The South company would be debited with any increase, so that price of any of the same articles would be the sa whether there had been a fall or a rise. Sir A. Bodki Nothing falls just now. Continuing, witness said t this had been the practice in all trades. Mr. Humphrey I object. The witness cannot say what all trades Witness: It is the custom in the chemist's business. would not do to charge a customer 8*d*. to-day and anot customer 1*s*. the next day. When prices dropped t were reduced all round, whether large quantities of go were in stock or not. The company sold large quantit of saccharin tablets. In May 1919 the price dropped c siderably, and they were obliged to reduce the price all branches. The firm had 100,000,000 whole-streng tablets and the same number of half-strength tablets stock. The price was reduced 2½ per cent., and the l to the company amounted to 21,000*l*. The sale of Roge Lotion worked out at one bottle in twenty-two wee Cross-examined: There was a close connection betwe Boots Pure Drug Co., Ltd., and Boots Cash Chemists the directorate. The retail company was started on t system of 22½ per cent. for one year. This percenta had enabled it to pay substantial dividends. The date purchase of the bottle of Rogers' Lotion produced w December 31, 1918 (by the retail company). It was th put in the shop to be sold at 8*d*., and if sold at 8*d*. wou have enabled the company to pay a substantial divide They had not articles of the same sort at different pric at any branch at the present time. He had never se a circular sent to the branches advising that old sto should be sold at the original price. The Magistrat That is a matter you would know about, is it not?— haven't seen it. Cross-examination continued: It w

to him that on January 3 Messrs. Boots sent out ictions that all old-stock articles were to be sold at riginal price. They had never changed their prin- of selling at the increased price when compelled to prices. A clerk, recently demobilised, sent out the lar without the knowledge of Sir Jesse Boot. It withdrawn as soon as it was found out. Sir A. in: This was not a special circular; it referred to ale of about fifty other articles—Iodex, etc.—at the rices, and that part of the circular was not autho- . Mr. Humphreys: Your solicitor did not say so. nade use of the fact that the circular had been sent. ess: A circular was issued, immediately it was dis- red, calling in the old stock. Witness's company not members of the Proprietary Articles Trade Asso- on. Boots Pure Drug Co., Ltd., had paid nothing Ir. Rogers in respect of the increased price of that icular bottle. That increase was a matter between iselves and the retail company. He could not give name of any proprietary article which had fallen ntly. Baker's Backache Pellets and Thompson's delion Coffee were reduced some time ago. Mr. phreys: I want the names of some which have been ced in the last twelve months?—Oppenheimer's tinoids have been reduced five times since April . Coburg Health Salts have also been reduced. Re- ined: At the time the bottle in question was sold, s Southern company had, in fact, paid Boots Pure Co., Ltd., for it. If any big company bought, say, 000*l.* worth of any commodity, it would be able to ersell chemists with small capital. The Magistrate: t is the interest of the manufacturer in that?—His rest is bound up in that of the retailer. He wants et the good will of the man who sells. Mr. Herbert ers, one of the proprietors of Rogers' Lotion, stated evidence that the lotion was a proprietary article h had been in the family for fifty years. From May to the present the wholesale price was 7*d.* and the il price 1*s.* Chemists who retailed the lotion at 10*d.* ld, he imagined, cease to be served. His firm wanted know what the public paid and that the seller got a profit. Cross-examined: His firm got 5¼*d.* for the le of lotion in question. If the current price in- sed, all stock in hand was brought up to that level, or n if it decreased. This concluded the evidence. The istrate said he would give a considered judgment on ruary 21.

Legal Reports.

enatosan Milk Contracts.—At Bow Street Police urt, London, on February 17, Mr. Graham Camp- l resumed the hearing of the adjourned summons inst Genatosan, Ltd., for having purchased milk at rice in excess of the maximum permitted (*C. & D.*, uary 17, p. 54). Mr. Roland Oliver again appeared the Ministry of Food, and Sir Archibald Bodkin for natosan, Ltd. Mr. James Stroud Nunn, giving evidence the defence, said he was superintendent of the defen- t company. He produced returns showing that, taking whole year, the price paid by the company to the mer came out at considerably less than the controlled ce. Cross-examined: The company did not buy the ole milk as such. They separated the butter fat for the mer, and bought the skim milk. Re-examined: There no market locally for the liquid whole milk, and it uld not be sent to London or distant places. Miss atman, secretary of the company, and Mr. Alexander lfer, works manager, gave corroborative evidence. Mr. lfer, who was cross-examined at some length by Mr. iver, denied that he had withheld any information from e officials of the Ministry of Food. The magistrate id he would take time to consider his judgment.

Pharmacy Act (Ireland).—At the Belfast Summons urt, on February 17, a number of prosecutions at the it of the Pharmaceutical Society of Ireland, 67 Lower ount Street, Dublin, were listed for hearing. On the ench there were Mr. John Gray, R.M., and Mr. Matthew Shields. Boyle's Medical Hall, Ltd., 210 Broadway, Falls Road, Belfast, were summoned for, on November 28, 1919, keeping open the shop for the purpose of compounding medical prescriptions, and not employing for the purpose aforesaid a properly qualified assistant, contrary to the provision of Section 17 of the Pharmacy Act (Ireland), 1875, Amendment Act, 1890. In a second and third case the same defendants were prosecuted for, on December 5, at Belfast, keeping open the shop for the sale of poisons, and not employing for the purpose aforesaid a properly qualified assistant. James Guthrie, Ltd., 271 York Street, Belfast, was summoned for, on November 28 and December 2, keeping open his shop for the compounding of medical prescriptions, he not being a person properly qualified in that behalf according to law. Joseph Unsworth, Cliftonville Road, Belfast, was summoned for, on November 25 and November 27, keeping open his shop for the sale of poisons, and for not employing a properly qualified assistant for the sale of poisons. The same defendant was summoned for, on November 25 and November 27, keeping open for the compounding and dispensing of medical prescriptions, he not being a person properly qualified in that behalf according to law. When the cases were called Mr. John Graham, solicitor, who appeared to prosecute for the Pharmaceutical Society of Ireland, said he had received instructions from complainants to ask that all the cases be adjourned till a date beyond March 9. The reason for the adjournment, he understood, was that the local members had approached complainants. A strike was going on at the time the offences were committed, amongst the assistants, and complainants' Law Committee would not meet until March 9, when they would consider some points put before them. All the cases were adjourned until March 16, without hearing any evidence, complainants paying the cost of the summonses.

Strength of Saccharin Tablets.—At Marylebone Police Court, on February 12, the hearing of fifteen summonses for offences under the Merchandise Marks Act in regard to the advertising and sale of saccharin tablets (*C. & D.*, January 31, p. 72) was concluded. Boots Pure Drug Co., Ltd., were the prosecutors, and the summonses were directed against Militina Fiashetti, trading as the B. & A. Trading Co., St. George's Terrace, N.W., for selling saccharin tablets to which a false trade description was applied, and for applying the false description to the tablets in invoices and advertisements. Her son-in-law, Achille Rasi, the manager of the business, and Adolph Ballabene, the chemist, were also summoned for aiding and abetting. Mr. Bramall, solicitor, having pointed out for the prosecution that Ballabene took a practical part in the business, produced the results of the analyses of the various samples purchased, which showed that tablets supposed to contain ½ gr. of saccharin contained 0.2007 gr., 0.1715 gr., and 0.2157 gr. respectively, while a tablet supposed to contain ¼ gr. only contained 0.1080 gr. It had been suggested that the deficiency was due to a boy's bad mixing, but the analyst pointed out that if that were so he would have obtained different results in the different tablets, whereas he had got practically the same result in the large number of tablets analysed. The prosecution suggested, therefore, that there had been a deliberate intention to sell ¼-gr. tablets as ½-gr. tablets. Mr. Barnett, for the defence, pleaded that although technically guilty, Militina Fiashetti had no control over the preparation or sale of these tablets. Mr. Rasi was the manager of the B. & A. Trading Co., which was formed for the purpose of buying and selling general commodities. They manufactured soap, and about the end of last year they resumed the manufacture of saccharin tablets. They had made the tablets in the early days of the war, but owing to the impossibility of obtaining saccharin they gave it up. When they resumed the manufacture in October or November they had six machines, and at the beginning of the present year they installed four more. Mr. Barnett went on to suggest that the deficiencies complained of were due to bad mixing. The magistrate observed that no ½ gr. tablets had been found. Mr. Barnett said that was perfectly true, because the firm did not manufacture a very large quantity. As a matter of fact, they

manufactured a tablet capable of sweetening a cup of tea. He contended that the public had not been defrauded, and, to show that the firm had no dishonest intention, read a letter which, he said, they had written to one of the trade journals, which had written to them asking how it was possible to sell the tablets at the prices offered. The magistrate asked what quantity the firm had sold. Mr. Barnett replied that when they had six machines they were selling from 200,000 to 250,000 a day, now they were producing 300,000. He added that they had done all in their power to help the prosecution, and had, from the commencement of the proceedings, stopped the advertisements complained of. Although there might have been negligence, he submitted that there had been no intention to defraud. The magistrate said it seemed to him, especially after hearing the letter read, that there had been a most deliberate intention to defraud the public; and the public had, in fact, been defrauded to a very large extent. The letter showed how a legitimate business could have been carried on at a reasonable profit. He fined Militina Fiashetti 5*l.* on each of four summonses, or one month's imprisonment in default; and fined each of the other defendants 15*l.*, with 10*l.* 10*s.* costs, on each of four summonses—a total of 120*l.* in fines and 84*l.* costs—or two months' imprisonment. Mr. Bramall suggested that the 40 lb. of saccharin tablets seized by the police should be sent to St. Mary's Hospital; but the magistrate thought they should be distributed among several hospitals.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

Freeman, Sons & Co., Ltd. (P.C.).—Capital, 3,500*l.* Objects: To take over the business of general drapers, outfitters, stationers, and druggists carried on by T. Currie and L. P. Thomas at High Street, Wendover, as "Freeman, Sons & Co."

Odclon, Ltd. (P.C.).—Capital, 10,000*l.* Objects: To carry on the business of manufacturers of and dealers in eau de Cologne and other perfumery, etc., and to adopt an agreement with W. R. Goodwin. R.O.: 43 Edgware Road, London, W.

Lanoline Extractors, Ltd. (P.C.).—Capital, 10,000*l.* Objects: To carry on the business of recoverers of fatty and other matters from wool washings and other waste products, chemists, druggists, etc. R.O.: 62 London Wall, London, E.C.

Fountain Brush Co., Ltd. (P.C.).—Capital, 1,500*l.* Objects: To carry on the business indicated by the title, and that of chemists, druggists, dentists, opticians, etc., R.O.: Byron House, 85 Fleet Street, London, E.C.

Arches, Ltd. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of manufacturers, importers, and exporters of, and wholesale and retail dealers in, pharmaceutical, medicinal, dental, chemical, and other preparations and goods and appliances for sport and pleasure, etc. The first directors are: S. Howard, 85 Molesworth Street, Rochdale, and G. Butterworth, 31 King Street South, Rochdale. R.O.: 85 Molesworth Street, Rochdale.

Clark, Nettleship & Bailey, Ltd. (P.C.).—Capital, 25,000*l.* Objects: To carry on the business of manufacturers of and dealers in proprietary medicines and articles, toilet articles, and packed goods, etc. The first directors are: W. T. Hind, 78 Queen's Road, Leicester, pharmacist; E. B. Ward, 35 St. Stephen's Road, Leicester, pharmacist; F. T. Willey, 124 Humberstone Road, Leicester, pharmacist; and F. J. Young, 15 Gallowtree Gate, Leicester, chemist. R.O.: 15 Belvoir Street, Leicester.

The International Sponge Importers, Ltd., directors recommend a final dividend of 3 per cent. on the ordinary shares in respect of the six months ended December 31 last, making a total distribution of 5 per cent. for the year.

British Chemical-trade Dinn

Over 160 members and their friends were present at first annual dinner of the British Chemical Trade A ciation, which was held on February 12 at the Crite Restaurant, Piccadilly Circus. Mr. William Mann (P sident) was in the chair. Sir Hamar Greenwood, K M.P. (Parliamentary Secretary to the Department Overseas Trade), and Sir William Clark, K.C.S.I., C.M (Comptroller-General of the Department of Over Trade), had accepted an invitation to be present, but Hamar Greenwood was unavoidably absent owing a political engagement. In proposing the toast of " Guests of the Evening," the chairman gave a hearty come to Sir William Clark, and paid a high tribute to work which had been carried out in the reconstructio our overseas trade. But for the assistance the Chem Trade Association had received from the various Dep ments of the Board of Trade, the task of the Associat he said, would have been largely increased He was entirely satisfied with the Overseas Trade Departm and had always regretted the fact that a Ministry Commerce had not been created. It was also to regretted that when the Overseas Trade Department formed it was not given over to the control of Board of Trade instead of being under the dual contro that Department and the Foreign Office. There was n need to-day than ever for a Ministry of Commerce they were faced with great and perplexing problems, cluding the crisis in the exchange brought about by depreciation of the pound sterling in America. He u that the national expenditure should be brought wi the compass of the people, and that, together with increased production of our factories, would go far in stabilisation of exchange. (Hear, hear.)

Sir William Clark, in reply, said in the case of a cou like the United Kingdom, which was dependent on foreign trade, it was a very significant fact that aft great war we should still be a prosperous nation. question of foreign exchange, which was the grea difficulty just now, was receiving the careful atten of the Cabinet. The attempts that were being mad reopen trade with Russia through the Co-operative So ties were then alluded to by Sir William. There was intention, he said, of dealing with the Bolsheviks, and reason for the endeavour to resume trading was bec the Government realised the enormous importance Europe as a whole, and especially to the United Kingd of releasing from Russia the grain and raw mater which that country held. When it was remembered w the country had gone through during the past five y it was wonderful to appreciate how prosperous we w The Board of Trade Returns proved this prosperity, showed that the exports were a "record" in the hist of the country. No industry, he supposed, more than chemical trades, had experienced greater changes du the war, or appreciated how control had brought Government and traders into closer touch than they ever been before. The Government could not teach b ness men how to run their own businesses, but they co do something to help foreign trade, and in this connec the Department of Overseas Trade was the connec link between the Foreign Office and the Board of Tra Intelligence was collected with regard to trade openi abroad, Customs tariffs, regulations, and so on. Department also brought to traders the reports of diplomatic representatives, and under the new order things the Consular Service would be improved and brou up to date. He referred particularly to the Commer Diplomatic Service—which would be closely connec with the ambassadors, and from which great things w hoped. Lastly, Sir William referred to the organisat by the Department of small exhibitions of British ducts, which were to travel the world, visiting first Dominions, the Far East, South America, and the Uni States.

Mr. G. P. Toby (secretary of the American Cham of Commerce in London), in giving the toast of "

ical Trade," alluded to the advantages to be derived the "getting together" of trade bodies to discuss ntious points as they arose. He personally would erything possible to assist trade between Britain and ica.

Richard Cooper, in reply, said he hoped the Depart- of Overseas Trade would develop into a Consular ce throughout the world, which would be of great ance to the commercial interests of this country. Britain had got to meet a heavy financial burden, it was of great importance, in those circumstances, the Department should see that foreign trading rtunities came to this country instead of going to eting countries. As to the commercial world, he ed them to think of industries, not of firms indivi- y, and in the chemical industry they could not do r than join the Chemical Trade Association. (Cheers.) e intervals between the toasts were filled in with a but excellent musical programme.

Festivities.

Eastbourne Chemists' Whist-drive.

HE Eastbourne Pharmacists' Association held the d whist-drive of the season at the Oak Tea Lounge, e Road, on February 11, when a most enjoyable ing was spent. Mrs. H. C. Browne presented the s.

Gordon College Supper and Dance.

HE students of the pharmacy department of Robert lon's Technical College, Aberdeen, entertained their ds to an enjoyable supper and dance in the Douglas el on February 13. About seventy couples were ent. Dr. Maitland presided at supper, and songs given by Mrs. Bryant, Miss Topp, and Mr. McIntyre. s Abercromby acted as accompanist. The event, the of its kind in connection with the department, was d a great success.

Frazer & Green's Whist-drive.

HE staff of Frazer & Green, Ltd., Buchanan Street, sgow, held a successful whist-drive and musical ning in the "Carlton" Tea Rooms on February 10. J. Reid Douglas, Ph.C. (managing director), was in chair, and was assisted in his duties by Mr. Chas. derson, cashier. Miss Lily MacKay presented the zes to the successful whist players, and a splendid sical programme was rendered by Misses Paton, Naught, and Darling, and Messrs. MacKay, Ward, id Douglas, and Johnston.

Boots, Ltd.'s, Socials.

AN enjoyable whist-drive and dance was held at the all Public Hall, George Street, Croydon, on bruary 11, under the auspices of Boots, Ltd., Croydon. ere was keen competition for the whist prizes given Sir Jesse Boot, and distributed by Mrs. P. Sparkes.

The staff of Boots, Ltd., organised a social at the inter Gardens, Blackpool, on February 16. There was attendance of nearly 300 employés and friends, and e proceeds were devoted to the Victoria Hospital. The .C.s were Messrs. E. M. Flack, W. C. Leslie, J. F. berts, J. Gent, and R. Turton.

Harker, Stagg & Morgan's Whist-drive.

C. R. HARKER, STAGG & MORGAN, LTD., held their nual whist-drive at Slater's Baltic Restaurant, Leaden- ll Street, E.C., on February 12. Mr. T. White (chair- an of the company) presided over the concert which llowed the whist-drive, and prizes for whist were pre- nted by Mrs. Stagg during the interval. Mr. R. Stagg id Mr. and Mrs. Morgan were also present. The ewards were Messrs. G. M. Fletcher, A. McDonald, S. Hull, A. J. Cundell, E. J. Shortt, and L. A. arratt, while the musical programme was conducted y Miss Josephine Lamb and Mr. Bertram Hull; Mr. . W. Harrie acted as whist-drive M.C.

Scarborough Chemists' Social Evening.

AN enjoyable evening was spent by the Scarborough Chemists' Assistants and their friends on February 11. The first part of the evening was devoted to progressive whist, Mr. John S. Longdin acting as M.C., after which the party adjourned to the ballroom, where Mrs. Longdin presented prizes as follows: *Ladies*—1st, Miss Shaw; 2nd, Miss E. Roberts; 3rd, Miss D. Ibbotson; consolation, Miss Hunter. *Gentlemen*—1st, Messrs. C. R. Berry and S. Oglesby tied, and, on cutting, Mr. Berry was awarded the first and Mr. Oglesby second; 3rd, Mr. Bert Hodgson; consolation, Mr. Pirnie. Sealed number prize, Mr. Eyre. After refreshments, Mr. C. R. Berry assumed the duties of M.C. for the second part of the programme, which was given over to dancing.

Bath Chemists' Whist-drive.

THE whist-drive and social held by the Bath Pharmaceutical Association on February 12 proved a most enjoyable function. The company numbered about sixty. There was a break in the play about 9 P.M. for supper, and play was then resumed until nearly 11 P.M., when the winners of the prizes were:—*Ladies*: 1 (gold brooch), Mrs. Staines, 195; 2 (pair of gloves), Mrs. Congdon, 192; mystery (box of handkerchiefs), Mrs. Armstrong, 159; consolation (leather-bound diary), Mrs. Norton, 129. *Gentlemen*: 1 (cigarette box, with cigarettes), Mr. R. H. Moore, 200; 2 (walking-stick), Mr. Horace Gedge, 189; mystery (silver pencil case), Mr. W. J. Hallett, 170; consolation (pack of cards), Mr. H. C. Broad, 130. The mystery prizes were the gift of the President (Mr. R. H. Moore).

"Welcome Home" Supper.

A COMPANY of 150, representing the members of the staff of Burroughs Wellcome & Co. who had rejoined the firm after serving in H.M. Forces during the war, accepted the invitation of Mr. Henry S. Wellcome, on February 14, to a supper in the gymnasium of the Wellcome Club and Institute, Dartford. Thirty ladies employed in the firm's works volunteered to act as waitresses at the supper. Following the toast of "The King," the vice-chairman read the names of "our absent colleagues"— a tribute to the thirty-four employés of the firm who had paid the supreme sacrifice. As the "Last Post" rang out the company, standing, paid silent tribute to their dead comrades. "Our colleagues who have returned" was given by Mr. G. E. Pearson (general manager), and responded to by W.O. G. L. Harris, D.C.M., and Bdr. H. J. Gray. Dr. H. A. D. Jowett (works manager), who acted as vice-chairman, proposed "Our Host" (Mr. H. S. Wellcome).

Leicester Pharmacists' "Peace" Dinner.

At the Peace Dinner of the Leicester and Leicestershire Pharmaceutical Association, held at the Oriental Hall, Market Place, Leicester, on February 12, the principal guests were the President of the Pharmaceutical Society (Mr. W. L. Currie) and the secretary (Sir William Glyn-Jones). Messrs. C. W. Ridyard and W. J. Pegg, members of the Local Association's Executive for the area, were also present. Mr. E. B. Ward (President) occupied the chair. After the dinner was concluded and the loyal toast duly honoured, the secretary of the Association (Mr. A. E. Young) proposed the toast of "The Pharmaceutical Society." Mr. Young asked the Society to regard any criticism from its members as a token of their vitality and esteem. Mr. Currie replied on behalf of the Society, emphasising the importance of the work of the Society during the past five years. Sir William Glyn-Jones proposed the toast of "The Local Association." He pointed out the bonds of interest between headquarters and the local organisation. Mr. E. B. Ward replied, claiming on behalf of the local Association that it was one of the few which boasted a 100 per cent. membership. Mr. W. J. Lewis (Vice-President) proposed the toast of "The Visitors," which was replied to by Mr. C. W. Ridyard. Mr. Inglis proposed the toast of "The Ladies," which was replied to by Mr. Lewis Ough. The final toast, that of "The Leicester Pharmacists' Assistants' Association," by Mr. G. E. Marfitt, was replied to by Mr. S. S. Squires.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

Shops (Early Closing) Bill.

This Bill, "to amend the Shops Act, 1912, and to make further provision as to the hours of closing shops," was, on February 13, presented by Mr. Briant, supported by Viscountess Astor, Mr. Glanville, Mr. Hinds, Viscount Wolmer, and Sir Kingsley Wood, and is to be read a second time on Friday, March 19.

The Budget.

The annual statement of the Chancellor of the Exchequer promises this year to be of unusual importance and interest in view of the income-tax concessions already forecasted, the question of international exchange, and the financial situation generally. Mr. Austen Chamberlain will introduce his Budget soon after the reassembling of Parliament after the Easter recess.

Supplies of Quinine.

The Minister of Munitions is to be questioned on February 23 as to whether Mr. Abrahamson rendered valuable services to the associated Governments during the war in connection with the supplies of quinine at a time when they were urgently needed for tropical campaigns, and whether the Government has awarded him any recognition of his services as a second lieutenant.

War Emergency Laws (Continuance) Bill.

This Bill, which continues, among others, regulations made under the Defence of the Realm Act, the Cocaine and Opium Regulation (40B), was read a second time in the House of Commons on February 16. Captain Benn referred to the clause embodying this regulation as "a perfectly good proposal," and the same eulogium was bestowed on the Shops Early Closing clause.

Dental Law Reform.

Although (writes our Parliamentary representative) the recommendations of the Privy Council Committee which sat some time ago to consider questions under the Dentists Act, 1878, have been under the consideration of the Ministry of Health for some time past, there appears to be but little probability, even if a Bill is presented, of any substantial progress being made with it during the present session. The cup of legislative fledglings is already full to overflowing, and it is obvious that none but the most vitally necessary of departmental Bills can possibly be placed on the Statute Book before the ordinary adjournment in August. Mr. P. W. Raffan, whose interest in the question of the unregistered dentist is well known, is questioning the Minister of Health on the subject. It is believed that the Bill may be found to be non-contentious, and in this alone lies its salvation.

German Dyes.

Major M'Kenzie Wood, on February 16, asked the President of the Board of Trade what quantity of dyes has been delivered to this country by Germany under the provisions of the Treaty of Peace; how much has been distributed to dye users; on what principle and by what agency has the distribution been carried out; what price has been charged; and what sum has been credited to Germany by the Reparation Commission.

Sir A. Geddes replied: About 650 tons of dyes have actually been received from Germany under the Treaty and, with the exception of a small proportion reserved for the Dominions, practically the whole has been allocated to users so far as possible on the basis of their requirements. Distribution is now being carried out by the Central Importing Agency. The prices charged vary with the different classes of dyes, but are based on the values placed on the dyes by the German manufacturers in their stock lists, with allowances for the low German exchange rates. The sum to be credited to Germany has not been finally settled by the Reparation Commission. The Committee of Dye Users is responsible for the distribution of the dyes.

Profiteering Act.

Mr. Simm asked the President of the Board of Trad on February 16, if he can state the number of pros cutions under the Profiteering Act in which fines ha been inflicted, the aggregate amount of such fines, t number of cases in which imprisonment has been inflicte and the aggregate period of imprisonment.

Sir A. Geddes replied: The reports received from loc Committees show that to January 31 last fines amour ing to 834*l.* 11*s.* had been imposed in eighty-three pro cutions under the Profiteering Act, in addition to whi orders for the payment of costs amounting to 236*l.* 4 had been made. No sentences to imprisonment have be imposed.

Captain Loseby: Is the right hon. gentleman awa that these Profiteering Tribunals are in too many instanc composed of interested persons with a complete la of the sense of responsibility, to the discouragement public-minded individuals, who incur all the expen of a prosecution, while the penalties awarded are qui inadequate?

Sir A. Geddes replied that he is fully aware that son of the local Committees are not very satisfactory, b it will be within the recollection of the House that the time the Profiteering Bill was passing through was felt by the majority of the House most desirab that the administration of the local part of the Act shoul be in the hands of local persons, and it is a matter great difficulty for the Central Department to interfe with the selections made by local bodies to the loc Committees.

Potash Imports from Germany.

Sir R. Cooper, on February 16, asked the Preside of the Board of Trade how many firms have been license to import potash from Germany; and what regulatio have been imposed on licensed importers regarding th sale price or percentage of profit at which German potas may be resold.

Sir A. Geddes replied: No import licences are require for the importation into this country of potash fro Germany. Certain quantities of potash salts have bee received from Germany by the Government as part pay ment for food supplied to Germany. They are take over from the British Government by the British Potas Co. for resale under the authority of the Potash Distr bution Committee, which was set up to regulate the price and conditions of sale. Maximum prices to consumer have been fixed, and the profits of the British Potas Co. are limited to 1 per cent. of the gross turnover o the contract, *plus* one-third of any further profit, th remaining two-thirds reverting to the Government.

Sir R. Cooper: Is it a fact that the importation o this potash is really in the hands of one firm in thi country?

Sir A. Geddes: I do not know anything about th commercial importation of potash. No import licence are required, but in so far as we receive this in pay ment from Germany, the British Government is bringin it in.

Sir R. Cooper also asked the President of the Boar of Trade the quantity and value of potash compounds distinguishing those used for agricultural from thos used for other industrial purposes, imported from Ger many and Alsace since the Armistice; the ruling pric of potash in Germany; and at what prices German potas compounds have been sold to the English public for in dustrial purposes.

Sir A. Geddes promised to circulate a statistical tabl regarding this matter.

In a letter to "The Daily Telegraph" recently, Mr Cofman-Nicoresti, B. ès Sc. et Lettr., chemist and drug gist, says: "It is most unfortunate that our Govern ments are most alien and irresponsive to such a vita subject as the technical training and material and socia position of chemists. We have Ministries even fo supplying newspapers with the latest horrors, but nobody to look after the nerve of industry and commerce, the very life of our community."

Birth.

Nixon.—At 57 Bankfield Road, West Derby, Liverpool, on February 7, the wife of Harold Nixon (Ayrton, Saunders & Co., Ltd.), of a son.

Marriages.

Howard—Knight.—At Castleisland Church, co. Kerry, on February 10, by the Very Rev. Archdeacon Casey, Michael Howard, L.P.S.I., Kanturk, co. Cork, youngest son of the late Mr. John Howard, to Margaret (Eta), youngest daughter of the late Mr. Henry W. Knight, Milview, Castleisland.

Murdoch—McMurtrie.—At the Palace Hotel, Aberdeen, on February 14, by the Rev. W. M. Milne, Alec Henry Murdoch, chemist and druggist, eldest son of Mr. James Murdoch, Banff, and grandson of the late Bailie Henry, chemist, Macduff, to Margaret Wyllie (Minnie), elder daughter of Mr. John McMurtrie, J.P., chemist and druggist, Macduff.

Phillips—Mander.—On February 11, Francis R. Phillips, M.C., second son of Sir Lionel Phillips, to Cicely, daughter of Captain J. H. Mander (Mander Bros., manufacturing chemists, St. John Street, Wolverhampton).

Deaths.

Biffin.—At 56 Cowper Street, Chapeltown, Leeds, on February 4, Mr. Thomas Biffin, chemist and druggist, aged seventy-six. Mr. Biffin was in business before August 1, 1868.

Cook.—At Scarborough, on February 9, Mr. Frank Cook, chemist and druggist. Mr. Cook, who qualified in 1877, was in business in Warminster for eighteen years. He was for some time a member of the Warminster Urban District Council.

Fisher.—At 5 St. Margaret's Road, Oxford, on February 7, Mr. Walter W. Fisher, M.A., F.I.C., public analyst for Berkshire, Buckinghamshire, and Oxfordshire, aged seventy-seven. Mr. Fisher was President of the Society of Public Analysts in 1899.

Forster.—At 30 Hamilton Terrace, London, N.W. 8, on February 17, Mr. Joseph Frank Forster, aged fifty-eight. On leaving Durham House School, Clapham, Mr. Forster became junior clerk to Gray, Laurier & Co. in 1874, and later entered the services of Bessler, Waechter & Co., of Newcastle-on-Tyne and London, where he remained until 1884. In the same year he and his brother established themselves as chemical merchants in London under the title of Fuerst Brothers. The success of the firm has largely been due to his energy and straightforward business methods. In 1917 the business was formed into a private limited company under the same title, for which he acted as chairman. His brother, Mr. Jules Fuerst, now succeeds him in this capacity, the business being carried on as hitherto. The late Mr. Forster was a well-known figure for many years on 'Change and in chemical-trade circles, and had a host of business friends. He was also a director of Parke's Drug Stores, Ltd., for the last twenty-five years. The funeral took place to-day (Thursday) at Willesden Cemetery.

Gray.—At 42 Marine Parade, Worthing, on February 10, Mr. Arthur Thistle Gray, chemist and druggist, 5 High Street, Barnes, London, S.W. 13, aged fifty.

Pearson.—At Fairholme, Chelston, Torquay, on February 9, Alderman George Pearson, chemist and druggist, aged seventy-six. Alderman Pearson was for some years in business at Brierley Hill. During that time he served on the Stourbridge and the Newton Abbot Boards of Guardians.

Pedler.—At 47 Tregunter Road, London, S.W., on February 16, Mr. Joseph Rideal Pedler, until lately of Charles Tennant, Sons & Co., 9 Mincing Lane, E.C., aged seventy-three.

Simpson.—At Stirling, Epsom Road, Guildford, on February 9, suddenly, Mr. James Hill Simpson, chemist and druggist, 23 High Street, aged forty-eight. Mr. Simpson, who was a native of Market Drayton, went to Guildford sixteen years ago, and subsequently took over the business of the late Mr. Henry Jeffries. Mr. Simpson had been ill for some time past, but he had apparently been improving in health, and was expecting to return to his duties. He leaves a widow, a son, and a daughter. The funeral took place at Guildford Cemetery on January 13, those present including several local pharmacists, members of the staff from 23 High Street, and a representative of the Guildford Constitutional Club, of which Mr. Simpson was a Vice-President.

Personalities.

Mr. E. A. Chandler, of the Lonabarc Trading Co., Ltd., who has been travelling in Spain, is expected to return to London on February 23.

Mr. Allan J. King, Jun., late lieutenant in the Army, has joined the outdoor staff of Macleans, Ltd., 6 Spring Street, Paddington, whom he will represent on the South Coast.

Bro. T. A. Moignard, Le Vallon, Samarès, Jersey, has been installed in the chair of the Duke of Normandy Lodge, No. 245. The new W.M. has lately returned from active service in Mesopotamia.

Mr. Henry M. Lloyd, chemist and druggist, Victoria Street, Merthyr Tydfil, who, during and since his mayoralty, has devoted considerable time to the needs of the ex-Service men of the district, has been appointed chairman of the local Pensions Committee for the sixth year in succession.

Stafford Allen & Sons, Ltd., inform us that as their representative, Mr. R. T. Brammall, has had to go abroad for a few weeks' rest, they will be glad if customers will write to them direct on business requiring his attention. In the meantime Mr. Frank Armstrong will take up his work and make the usual journeys.

Mr. Edward S. Baynes, chemist and druggist, a member of the council of the Vermin Repression Society, who organised the Bristol rat week a short time ago, made the opening statement at the inaugural meeting of the Western Counties branch on February 12, and pointed out that national rat weeks will give place to local efforts at the end of this month.

Mr. Edward Cardwell, J.P., retired chemist, Laurel Bank, Lancaster, celebrated his golden wedding on February 14. Mr. Cardwell served his apprenticeship to the late Mr. Whimpray, Market Street, Lancaster, and eventually succeeded to his business. He has been for several years a member of the town council, and was elected Mayor in 1911. Mr. Cardwell is in excellent health.

Wills.

Mr. Thomas Beaghan, retired chemist and druggist, 9 Avenue Parade, Accrington, who died on January 19, left estate value at 1,375*l.* 4*s.* 1*d.* gross, with net personalty 1,357*l.* 15*s.* 1*d.*

Mr. Thomas Chambers Newton, Chapeltown, Sheffield, chairman of Newton, Chambers & Co., Ltd., who died on November 23, left estate of the gross value of 143,118 17*s.* 10*d.*, with net personalty 139,192*l.* 13*s.* 9*d.*

Dr. Robert Craig Maclagan, M.D., F.R.C.P., F.R.S.E., 5 Coates Crescent, Edinburgh, chairman of A. B. Fleming & Co., Ltd., manufacturing chemists, who died on July 12, left personal estate in the United Kingdom valued at 93,261*l.* 1*s.* 9*d.*

Mr. William Black Pullar, Coniston, Bridge of Allan, formerly of Robert Pullar & Sons, Ltd., who died on October 7, aged seventy-six years, left personal estate of the total value of 19,031 14*s.* 1*d.*, of which the personal estate in the U.K amounts to 16,753 14*s.* 1*d.*

Trade Notes.

Shaving-creams in bulk or packed in collapsible tubes are advertised in this issue by A. Gidlow & Co., Broom Lane, Levenshulme, Manchester.

Bottles.—Farrow & Co., 87 Borough High Street, London, S.E. 1, make a special offer of bottles in an advertisement in the Supplement.

Spring Business.—Hawker & Botwood, Ltd., 50 Mark Lane, London, E.C. 3, call attention to their agricultural specialities which are particularly saleable at this time of the year. These are Rectisoil, Corvusine D.G., and Nilfi.

Ingram & Royle, Ltd., Bangor Wharf, 45 Belvedere Road, London, S.E. 1, inform us that Hunyadi Janos natural aperient water is again on the British market. Supplies can be obtained direct from them or through wholesale houses.

P.A.T.A. Prices.—The revised prices of Kutnow's Powder appearing in the advertisement of the Proprietary Articles Trade Association in this issue come into force on March 1. This information was inadvertently omitted from the advertisement.

"John Bull" Prize Windows.—Owing to alterations in the premises at 323 High Holborn, London, the exhibition of photographs in the "John Bull" National Window-dressing Competition will be held from March 1 to 5, instead of as announced in the *C. & D.*, February 14, p. 6.

Toilet Preparations.—The Richmond (Surrey) Toilet Manufacturing Co. are advertising in this issue the wholesale and retail prices of the following toilet preparations: Astraline, Tresson, Idesto, Celacon, Kaeno, Malafoin, and Pedestum. The distributing agents are H. F. Taffs & Co., 49 Farringdon Street, London, E.C. 4.

Salek Bros., 55 Lower Cuba Street, Wellington, N.Z., have commenced business in Wellington as wholesale chemists, dealing only with chemists. The business is conducted by two brothers, who have recently been demobilised from the Army. Lewis, Banks & Co., Ltd., 45-9 Holborn Viaduct, London, E.C. 1, are their agents in this country.

Balmoline.—We have this week examined samples of Balmoline, a skin preparation made by the Balmoline Manufacturing Co., 10 Railway Street, Chatham, and advertised in the *C. & D.* last week. It is in the form of a pink, opaque tablet, measuring about 2¾ in. by 1½ in., pleasantly perfumed and packed in card outers. The cakes sell at 1*s.* 3*d.* each.

Amami Nail Stones.—Prichard & Constance (Wholesale), Ltd., 469 Holloway Road, London, N., in order to avoid confusion, have decided to supply Amami nail stones to retail at 9*d.*, owing to the fact that the Amami Shampoo envelope states that the price is 9*d.* This price will hold good until such time as the stock of envelopes is exhausted, after which the retail price will again be 1*s.*

Castor-oil Flakes.—A British company with a capital of 200,000*l.* is now being formed in London for the purpose of acquiring Dr. Dunham's world's patents for the production of edible casein combined with medicinal castor oil in the form of flakes, which, when water is added, produce a perfect emulsion giving the taste of milk. Mr. D. A. Ruffman, late manager of Parke, Davis & Co. in Petrograd, who is now in London, will direct operations of the new concern in Europe. It is also proposed to place on the market a preparation having the same basic principle but containing cod-liver oil, and later the same idea will be carried out in regard to foodstuffs.

British Journal Photographic Almanac.—The 1920 edition of this well-known work has been published this week at 1*s.* 6*d.* (paper covers) and 2*s.* 6*d.* (cloth bound). The almanac was first produced in 1860, and anyone who has a set or a long run of the work will have experienced the value of the publication for reference. The present edition fully maintains the reputation of previous years. A new feature is a treatise on beginners' failures in photography, and in addition there is the epitome of progress in photography, arranged in convenient sections. The formulas are useful to photographic chemists, as also are the advertisements of the chief manufacturers and dealers in photographic materials and apparatus.

British Industries Fair.—Among the exhibitors at this Exhibition, which opens at the Crystal Palace, London, on February 23, are:

Thomas Christy & Co., 4, 10, and 12 Old Swan Lane, Upper Thames Street, London, E.C.

Dubarry et Cie, perfumers, 81 Brompton Road, London, S.W. 3.

The Standard Tablet Co., Ltd., Goldstone Chemical Works, Hove.

The Fastnet Surgical Dressing Co., Ltd., 104 Golden Lane, London, E.C. 1.

Henry C. Quelch & Co., 4 and 5 Ludgate Square, London, E.C. 4.

John Bell & Croyden, Ltd., 50 Wigmore Street, London, W. 1.

Myers, Lumos & Co., 35 and 36 Aldermanbury, London, E.C. 2.

Samuel Jones & Co., Ltd., Bridewell Place, London, E.C. 4.

Siemens' Brothers & Co., Ltd., Woolwich, London, S.E. 18.

Lemaine & Barclay, Ltd., 7 Little Goodge Street, London, W. 1.

W. Ransom & Son, Ltd., Hitchin.

Business Changes.

Mr. G. McDiarmid, chemist and druggist, Mosley Street and Hall Street, Blackburn, has removed to Park Lee Road.

Mr. S. G. Court, chemist and druggist, has acquired the business of Mr. W. P. Cole, Ph.C., 56 William Street, Herne Bay.

Mr. H. C. Reeves, chemist and druggist, has taken over the business of Mr. J. Hooper, chemist and druggist, 195 Widmore Road, Bromley, Kent.

Mr. J. E. Goodall, chemist and druggist, Ealing Road, Wembley, London, N.W., and branches, has purchased the business of Mr. H. W. Bartlett, Ph.C., 37 Crawford Street, London, W. 1, as from February 16.

Mr. H. C. Walton, chemist and druggist, has acquired the business of Mr. Arthur Harrington, Ph.C., Needham Market. Mr. Walton has for some time past been a temporary inspector of medical supplies at the War Office.

Mr. J. H. Crofts, chemist and druggist, who has been a branch manager to Boots, Ltd., at Warrington, for the past nineteen years, has purchased the business of Mr. H. J. Ferriday, chemist and druggist, 76 Victoria Road, New Brighton.

Mr. Noah Lewis, chemist and druggist, has made arrangements for opening a chemist's shop in Taff Street, Pontypridd. Mr. Lewis was on active service during the war, and was previously with Mr. E. H. Pym, chemist and druggist, Llandaff.

The premises of Mr. C. E. Harston, chemist and druggist, 55 Burton Road, Lincoln, where he has carried on business for over thirty years, were sold by auction on February 13 to Mr. R. Epton for 760*l.* The stock-in-trade, fittings, and fixtures were also purchased by Mr. Epton.

Information Department.

INFORMATION WANTED.

190/43.	Othine	186/56.	"Ora" nail polish
190/43.	Sedol	186/56.	"Hyglo" nail polish
187/52.	Ovolecithin	187/48.	"Heather" soft soap
184/67.	Henna leaves (whole); supplies	189/21.	"Vergonal" or "Verdonal"
185/13.	Sodorine or Sodocine; mineral-water used in whooping-cough	187/65.	"Thyolax"
		187/64.	"Pulv. Bacadia Co.'
		190/45.	"Ironoids"
186/54.	"Ginoform" tablets	190/45.	"Easy" corn-cure
186/54.	"Perolin" pills		

Observations and Reflections.

By Xrayser II.

The Selection of Mr. Woolcock

to second the Address in the House of Commons shows that "our member" has made his mark there. This ought to be of good omen for us; our interests are evidently not in the hands of one who will be content to remain a nonenity, having already proved himself to be far other than that. It is of good omen, too, that his speech was of an eminently practical character and dealt with subjects on which he is exceptionally well qualified to speak. Even his "peroration"—that last infirmity of ambitious orators—was a very mild specimen of its kind; and though, like Sam Weller (I am writing on the eve of St. Valentine), he ended "vith a verse," it was a thoroughly appropriate and significant one.

The General Chorus

of indignation against the wholesalers for the surcharge on proprietaries to meet the increased cost of carriage is, I think, a little excessive and to some extent misdirected. Wholesalers cannot indeed equitably surcharge goods on which no carriage is paid, or whole parcels of goods which consist only in part of proprietaries. I had this latter possibility in mind in my remarks of January 31. All goods might reasonably be advanced if carried by rail, but not as being proprietaries when they are something else. As regards proprietaries, however, it is no more reasonable to expect wholesalers to bear all the increased expense of handling them than it is to put it all upon us. Where, then, ought it to be put? The manufacturers presumably pay the increased carriage to wholesalers, and they may be supposed easily able to bear this loss, but they can hardly be asked to pay it from the wholesalers to us as well. They might, however, put it upon the public by raising face value, and this is what ought to be done, either in that way or, as has been suggested, by reducing the quantity supplied at present prices. Of the two ways the former is much the better, and whatever inconvenience it might cause is well worth while. If some way out of the difficulty is not found by proprietors, who, after all, are dependent on us and the wholesalers alike, they are likely to suffer by loss of trade in their goods. Our profit on these goods is already too small, in very many cases, to be remunerative, and we cannot bear its further reduction.

Mr. Harris's Calculation

of the cost of dispensing is likely to do more harm than good, and is, in my opinion, fallacious throughout. No doubt all the items which he enumerates ought to be taken into account, but he exaggerates them all, and at the same time understates the number of prescriptions a competent man will dispense in an hour. Look at the main item only, and my point is established. Mr. Harris puts the establishment charges due to dispensing at 11*s.* 3*d.* a day, or considerably more than 200*l.* a year. In how many businesses would this hold good? Certainly in none of which I have had any experience; surely he is putting the whole weight of these charges upon one single department, the dispensing, which is manifestly unfair. No wonder that with such figures as these he concludes that the minimum terms for this service should be 4*s.* 6*d.* or 5*s.* an hour, which it is quite certain we shall never get. What is the result? In the first place, it is made to appear that the present system, instead of being, as we have always contended, the most economical and convenient one possible, is shockingly bad economy. The work could be done very much cheaper elsewhere than in our shops. Our claim to it, therefore, on the ground of public utility, is gone. In any case, such a statement as he makes is bound to breed discontent among panel chemists, and is more than a little likely to cause some of them to resign, it may be, to such an extent that the panels will be seriously depleted, which would be another reason for depriving us of the work altogether.

Preposterous,

which means, literally, putting that last which should be first, is the only appropriate word for the action of the Devon Pharmaceutical Committtee in first recommending panel chemists to accept the new dispensing terms and then asking Mr. Rowsell to explain them. I am not sure, however, whether it is not typical of the course generally taken in these cases. We commit ourselves before we know to what we commit ourselves. It is true we are often virtually committed beforehand by our representatives, but this again is our own fault. If we had the courage to repudiate agreements made without our consent they would soon cease to be made.

The Misuse of Perfumes

as stimulants is an old story, but is it a true one? Mr. H. M. K. Nield, writing in the "Daily News" of February 11, says he has been told by a "chemist" that it is, and that the habit of "scent drinking among women has very much increased during the last half-dozen years or so." Fifty years ago we used to hear allegations of chemists putting up gin as eau de Cologne, but this was usually treated as a fantastic invention, and I never met with anyone who could produce any evidence of its having been actually done. Mr. Nield's chemist, however, speaks of a case, presumably coming within his own observation, of a woman made seriously ill by drinking scent, and appears to regard the present increased demand for perfumes as largely due to this pernicious habit. There is, we are told, "a surprising number of cases," and "high prices do not check the demand." He connects it with "another trick," that of taking eau de Cologne on lumps of sugar "to make the eyes bright," which, he says, goes back to Stuart days—a rather unfortunate reference, since the very earliest date assigned for the appearance of this perfume is 1690—and the much more probable one is 1709, when it was made at Domodossola by J. M. Farina, who afterwards removed to Cologne. Let us hope the rest of this gentleman's revelations have no better foundation. It does not do, however, to be too sceptical: there is no obvious reason why ladies who can afford it should not drink scent if, as is well known to be the case, their poorer sisters drink methylated spirit, and chemists who suspect such misuse should do what they can to prevent it.

Ung. Antim. Pot. Tart.

was first made official in the P.L. of 1836, but it was in use long before then, and, indeed, before St. John Long began in London his irregular practice of physic. Dr. Clarke, writing in 1811, says of antim. tart.: "Externally stimulant, rubefacient, mixed with water, or in the form of ointment, ʒij. ad ʒiij. to lard ℥j., in affections of the joints, etc." The former was the strength afterwards prescribed in the Pharmacopœia. An alternative form had palm oil in place of lard. St. John Long, according to Rennie, "made some show of denying" that this was his cure for consumption. See, too, the chapter on "Noted Nostrums," in Wootton, where his remedy is said to have been a liniment composed of yolk of egg, turpentine, acetic acid, and water. He prescribed it not for consumption only, but for rheumatism, gout, liver complaints, etc. Whatever it was, he made an excellent income out of it.

Strychnine for Australia.—Owing to the enormous demand for strychnine in Australia for rabbit-poisoning, a proposal is on foot to manufacture locally on co-operative lines.

Montan wax, at present almost a complete monopoly of Austria and Germany, is claimed to be a by-product from Devonshire lignite, of which there are large deposits at Bovey Tracey and elsewhere. Lignite, being very valuable on account of its high melting-point, is reported to be unequalled for the production of this wax, which is used in the manufacture of high-grade boot-polishes, gramophone records, and other articles. The yield from hand-picked pieces of lignite is said to vary from 10 to 40 per cent.

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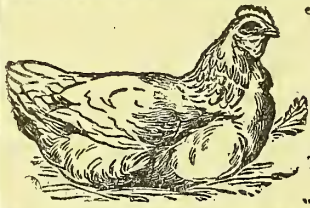
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Editorial Articles.

Registration of Apothecaries' Assistants

The President of a local pharmaceutical association remarked recently that the by-law which gives power to the Pharmaceutical Society to register apothecaries' assistants as chemists and druggists without examination was of little account, as he had not heard of any cases where registration had been effected. It is quite true that no unexamined men have as yet been registered as chemists and druggists, this being due to the fact that although the by-law has been sanctioned by the Privy Council the regulations made under the by-law have not yet received the *cachet* of that august body. It will be remembered that the new practice of the Privy Council is to require not only the sanction of by-laws, which is a statutory enactment, but to compel the Pharmaceutical Society to obtain also consent for the regulations. In regard to the alleged lack of applicants for registration without examination, we think the flood of aspirants for the back-door entrance to the Register of

ts and Druggists will soon be at the full. We rom the number of inquiries which we have re- ately. Many of our correspondents enclose letters he Pharmaceutical Society's officials, which, to do not exhibit any hurry to carry out the wishes ouncil that the Register shall be made as "cheap" ible. There is, however, a good deal of mis- ension as to the terms upon which registration examination is obtainable. It has nothing to h the efforts that should naturally be made to x-Service men who have given valuable years of to the country, but concerns only apothecaries' ts. The conditions are as follows:

pplicants must have passed the examination for caries' assistants before December 21, 1908.

hey must have been for a period of seven years iately prior to the date of their application con- sly employed as whole-time dispensers, either in of the department or on similar responsible duties pproved institution.

hey must pay a fee of fourteen guineas.

pplication must be made before January 1, 1921.

form of application, which was printed in the D. last week (p. 58), will be obtainable from harmaceutical Society, 17 Bloomsbury Square, n, W.C. 1, so soon as the regulations have been ed by the Privy Council. It will have been ed that the list of institutions is a long one, f only one person is registered from each the r of unexamined chemists and druggists on the er will be considerable. It is possible, too, that t may yet be extended before it is sanctioned by rivy Council. When apothecaries' assistants find particular institution is not on the list they will ess write to the Privy Council about it, and pre- experience has shown that if unqualified persons the Privy Council clerks sufficiently they can get ng they ask done for them. Six of the councillors pride themselves on thus securing the dilution of egister will in May ask the members of the Phar- tical Society to re-elect them. Unless there are ew candidates some of them must be re-elected. ts with the members to teach these councillors that cannot dilute the Register with impunity. Will embers rise to the occasion and make the next il election the most memorable in the history of ociety?

January Overseas Trade.

Board of Trade Returns for January, to which we ed last week, show that overseas trade has made cellent beginning, the British exports for the first exceeding one hundred millions sterling, and the total e of trade has reached the unprecedented total of millions. The results, compared with December, are llows:

	£	£	Per cent.
mports ...	183,498,388	+ 13,763,247	+ 8.1
xports ...	105,879,909	+ 15,021,676	+ 16.5
e-exports ...	25,464,477	+ 695,454	— 2.6

excess value of imports in January was 52,154,002*l.*, eas in January last year the excess figure was more 82 millions, and in January 1913 it was only 15 mil- sterling. Last month the rise in exports was mainly uted for by the higher values of articles wholly or ly manufactured, the increase in this heading being 100 per cent.; the total was 83,086,250*l.*, against 92,657*l.* in January last year, and 35,765,825*l.* in January 1913. The biggest advance was in cotton yarns and manufactures, which rose by 15,220,109*l.*, and woollen manufactures by 6,308,575*l.* Chemicals, drugs, and allied produce rose by 716,912*l.*, compared with January 1919, but compared with January 1913 the advance was 1,596,103*l.* The figures show that during January export trade in heavy chemicals remained extremely active, and no doubt much more could have been done if the supplies were available. Some of the main headings give the following results:

		1913	1919	1920
Ammonia chloride ...	tons	599	690	901
Ammonia sulphate ...	,,	31,788	3,991	10,679
Bleaching powder	cwt.	59,438	34,057	38,900
Coal-tar products	£	164,786	190,108	279,367
Copper sulphate	...	5,284	5,190	5,452
Glycerin	cwt.	16,566	1,575	10,811
Potash compounds ...	£	18,873	12,374	73,702
Sodium compounds ...	cwt.	150,799	499,838	564,132
Chemicals, all other sorts	£	233,624	500,689	665,629
Drugs, medicines, and preparations	med. £	213,902	443,227	387,225
Dyes and dyestuffs ...	£	27,771	198,272	350,644
Painters' colours and materials	£	269,891	245,276	374,640

It will be seen from the above that there was a reduction of 56,000*l.* in the shipment of drugs and medicines, compared with January 1919, but compared with January 1913 the excess is 173,323*l.* Last year our exports of actual drugs and medicines averaged 365,800*l.* a month, and the January 1920 figures exceed this average by 21,400*l.* Quinine is allowed to leave the country more freely, last month's exports (British) being 329,929 oz. and re-exports 38,730 oz., compared with 87,814 oz. and 298,364 oz. respectively in January of last year. Our re-exports of chemicals, etc., last month assumed the large total of 704,204*l.*, against 339,417*l.* in 1919, sodium nitrate accounting for the bulk of the increase. The feature of last month's imports was the increase in raw materials by 29,616,154*l.* to a total of 78,136,915*l.*, cotton alone having increased by 22,653,618*l.* to 39,304,330*l.* Food, drink, and tobacco imports in the aggregate increased by 18,084,460*l.* Our imports of chemicals and the like were 914,172*l.* more, totalling 3,030,500*l.* They were mostly raw materials, however, as we notice the unenumerated chemical group, which includes pharmaceutical chemicals, fell from 986,340*l.* to 475,907*l.* It may be noted that the tables in this month's returns have been re-arranged in accordance with the new Import and Export List. Hitherto the totals for the corresponding month in the two preceding years have been given for the purpose of comparison, but now only the figures for the corresponding month of last year appear, those for the same months in 1913 being substituted. Thus it is possible to compare our present trade with that of a normal pre-war year. The new tables are also prefaced by explanatory notes which are helpful. Figures recently published by the Statistical Department of the Board of Trade indicate the relation of the actual trade values of 1919 compared with the pre-war year of 1913, when the normal exchange rate with the United States was $4.86 to the pound. By this process the quantities and inflated values of British imports and exports for 1919 are reduced to the declared levels of 1913. According to these figures, while British imports in 1919 were valued at 149 per cent. higher than in 1913, they were actually 11.6 per cent. less; re-export values, which averaged 92 per cent. higher, were 21.8 per cent. less; while the export values of the produce and manufactures of the U.K. were at an average of 177 per cent. higher than in 1913, the estimated values were in reality 48.1 per cent. less.

Oilseeds and By-products.

THE progress of the home oilseed-crushing industry is of vital importance at this juncture, in view of the urgent calls that have been made upon it for some time past, not only on the part of home manufacturers, but also in order to remedy the severe shortage which exists on the Continent. Having regard to linseed, it must be added that the situation has been rendered the more stringent in consequence of the heavy inroads made upon Argentine resources by American importers within the past season, while this conspicuous feature has to be reckoned with more or less for the greater part of the current year, or until the possibility of a good recovery in the North American crops can be realised. There is no denying the fact that the American shortage has had a most important bearing on the course of the linseed market ever since strong indications of a world's industrial revival became manifest. As matters now stand the filling of the world's needs depends very largely upon exports from the River Plate. Chiefly in consequence of the new economic conditions in India arising from the revolutionary developments in the matter of currency, and the resultant big enhancement of the commercial value of the rupee, the movement of supplies from that quarter is still very uncertain, while the question of freightage presents much difficulty. Whereas the view was held in the latter part of last year that the rise in linseed oil was being overdone under excessive speculation, it is now generally recognised that the absorbing capacity of the world's markets was then much underrated, and that there is not likely to be any strong counteracting influence for some time such as would force a big retrograde movement from the present enormous inflation of prices. As will be seen from the tabulated figures below, our imports of linseed during the past year were well over 2¾ million quarters, or considerably more than double those accounted for in the previous year, and 1¾ million quarters in excess of the returns for 1917, but it is a fact that home crushers have lately been complaining of a shortage of the product.

U.K. Imports of Linseed.

From	1917	1918	1919
Russia	5,232	3,172	1,399
United States	2	907	2,063
Argentina	196,746	406,452	1,081,023
British East Indies ...	752,026	870,030	1,595,273
Canada	962	12,651	27,923
Other Countries ...	48,463	16,389	56,878
Total in quarters ...	1,003,431	1,309,631	2,764,559

	1913	1919	1920
	Qrs.	Qrs.	Tons
Total (January)	159.901	355.474	26,856
	£	£	£
,, value ...	393,588	2,166,241	1,341,798

Of course, crushing operations within the last six months or so have been carried on on a much larger scale, thanks to the increased imports of raw material, and this country has thus been able to afford relief, which was sorely needed, to Continental oil consumers. To some extent the present shortage of seed, which it is to be hoped will eventually be remedied by a freer accession of new River Plate crop shipments, is to be ascribed to the considerable quantities which have been re-exported in response to urgent Continental demands. But for the heavy proportion of the Argentine supplies diverted to America within the past year, the position of consumers in European countries would be much more comfortable, but unfortunately there is no prospect of relaxed strin-

gency, which is emphasised by the fact that terms ru either for forward seed or distant oil positions are equ stiff, while almost as much money is paid for sun deliveries as for spot and near parcels of the by-proc Supplies from Russia cannot be expected to be resu in quantity for another year or so at least, and prov internal troubles in that country subside and permi the restoration of agricultural enterprise. Altho widely conflicting estimates of the River Plate crop reported recently, there is a growing belief that the turn will prove quite satisfactory and more or proximate the Government forecast of 40,000,000 bus The position in cottonseed has become exceptio tight, partly on account of the substantial setback in year's Egyptian crop movement, while the political un in Egypt has had something to do with this. This ser drawback, in face of the holding up of the shipments f India, has brought out a big rise in the value of the s and prices for cotton oil have fully reflected this. imports for last year, as shown in the following ta were about 123,000 tons in excess of those for the prev year, but the weight of supplies was clearly inadeq in order to cope with an urgent demand from crush The outlook in regard to both sources of supply conti unsatisfactory.

U.K. Imports of Cottonseed.

From	1917	1918	1919
Egypt	175,129	333,433	247,342
British India	8,436	—	170,601
Other Countries ...	35,480	4,057	43,655
Total in tons	219,045	337,490	461,598

	1913	1919	1920
Total (January) in tons	74,147	58,776	52,961
	£	£	£
,, value ...	592,375	1,208,543	1,178,981

As will be seen from this table, the receipts during l month were disappointing, being less than in same month last year, while showing a deficit of o 21,000 tons compared with January 1913, when 74, tons were accounted for, representing a value of 592,375 against 1,178,981*l.* for the 52,961 tons received last mont These figures give an idea of the enormous apprec tion in value. Conditions in rape-seed are also tig There was a good increase in the 1919 imports 397,363 quarters, but in the absence of Russian suppli the trade is obviously almost entirely dependent on E Indian seed. The official returns of imports since la year have been worked out in tons instead of bei in quarters as heretofore. Cost of import has, of cours been materially affected by the much higher rate of t rupee, and there is no indication of an important increa from Indian ports at present, despite the much high rates paid to shippers. The tendency of the mark still seems upward.

U.K. Imports of Rapeseed.

From	1917	1918	1919
Russia ...	—	—	—
British East Indies ...	302,260	290.869	382,665
Other countries ...	3,245	1,573	14,698
Total in quarters ...	305,505	292,442	397,363

	1913	1919	1920
	qrs.	qrs.	Tons
Total (January) in qrs.	19,747	1,605	1,510
	£	£	£
,, value ...	36,690	9,030	53,388

The enormous appreciation in value since the beginnin of last year in all descriptions of seed is illustrated b

lowing comparison of prices current under the dates

	Jan. 1, 1919	Feb. 13, 1920	Rise
	£ s. d.	£ s. d.	£ s. d.
ine linseed (per ton)	28 0 0	46 10 0	18 10 0
rapeseed	29 15 0	52 10 0	12 15 0
ian cottonseed ...	19 0 0	33 0 0	14 0 0

er having been entirely held up during 1918, es of soya beans from China and Japan were ed to some extent last year, as indicated below, here is no prospect of shipments being made from n ports at present. The arrivals last month, how- were practically nil. It is to be feared that nge rate and freight difficulties will hinder this and thus favour a renewed diversion of supplies e Pacific Coast. The scarcity of soya oil, of course, caused this product to share fully in the recent ncy.

U.K. Imports of Soya Beans.

From	1917	1918	1919
Russia	15,914	—	—
China	—	—	2,065
Japan	8,234	—	59,500
Other Countries ...	877	—	—
Total in tons	25,025	Nil	61,565

	1913	1919	1920
Total (January) in tons	17,286	Nil	75
,, value	141,306	Nil	11,800

re has been a satisfactory and very steady increase in the last three years in the supplies of other oil- ing products, and this is likely to continue, although ress would be still more rapid but for delays in oing and abnormally high freights. The most strik- feature has been the large quantities of palm-kernels ived from our Colonies, thanks to which the d-product manufacturers have been enabled to elop their operations on an unprecedentedly heavy e. This more particularly applies to the making of garine. The detailed imports given below clearly indi- e the development of the trade in copra, ground-nuts, n-kernels, and kindred products. There has been ery brisk demand for some time past for copra, the e of which has risen by leaps and bounds. The duction has assumed considerable dimensions, but nsport shortcomings tend to restrict the shipments from Eastern sources. Keen Continental competition is erienced for the acquisition of supplies.

K. Imports of Nuts and Kernels for Expressing Oil.

Description	1917	1918	1919
Copra	52,400	7,930	71,531
Ground nuts	137,758	135 768	107,108
Palm-kernels	248,160	295,334	304,426
Other sorts	9,218	4,379	16,791
Total in tons ...	447,536	443,411	499,856

	1913	1919	1920
Total (January) in tons	6,463	20,503	38,881
	£	£	£
,, value	144,508	582,689	1,696,890

It will be seen, therefore, that the whole aspect of ne situation in seed-oils and similar products is interest- g, while there is every indication of a continuous growth the world's consumption. Uncertainties in regard to ew supplies of raw materials have imparted additional rength to the upward trend of prices, despite the fact nat these have broken steadily into new high records. glance at the quotations given below reveals the enormous extent to which the oil-products turned out by the crushing industry have risen since the close of the year 1918.

London spot	Jan. 1, 1919	Feb. 13, 1920
Linseed oil	75*l.*	114*l.* 10*s.*
Rape oil, crude	66*l.* to 67*l.*	135*l.*
Cotton oil, crude, Egyptian	60*l.*	18*l.*
Soya oil	60*l.*	117*l.* 10*s.*
Coconut oil, Cochin ...	70*l.* to 85*l.*	121*l.*
Palm-kernel oil	51*l.* to 67*l.*	115*l.*

German Chemical Trade.

In reviewing German business conditions during the past year, the "Frankfurter Zeitung" states that few branches of commerce showed such signs of confusion as existed in the chemical market. A remarkable fact was the very large number of chemical firms that sprang up, and even metal works have in numerous cases installed a special chemical department. Unfortunately, in many of these new concerns the managers and even the technical *personnel* possess very little knowledge of this branch of industry, and are often ignorant of the very names of many of the products they handle. These promoters have been solely attracted by the enormous increase in the value of all chemical products. In illustration of this increase, this newspaper gives the figures for a few well known chemicals, showing their prices (marks per kilo.) during the war :

	1914	1917	Beginning 1919	Middle 1919	End 1919
Quinine hydrochloride	44	113	137	500	1200
Chloroform	1·40	5·20	6	15	30
Silver nitrate	55	145	165	450	1050
Potassium bromide ...	2	3·10	3·75	15	60
Menthol recryst. ...	28	72	160	480	1150
Resorcin	6	15·50	50	—	390
Potassium iodide ...	26	32·50	127	—	450

These prices permit of an interesting comparison with those which ruled on the British market during the same period. To show the confusion which reigned on the chemical market in Germany since the Armistice, it is mentioned that at the beginning of 1919 several works had comparatively large stocks of bromine preparations, which were gladly sold at 3.75 marks, only to be bitterly regretted later on. The effect which foreign quotations have on the prices in the German market is evidenced by yohimbine. At the beginning of 1919 yohimbine was obtainable in 5 kilo. lots at 11,000 marks a kilo., but towards the end of the past year it fetched 30,000 marks, as the price abroad reached the equivalent of 62,000 marks per kilo. Towards the middle of the past year English borax was offered at 6 marks a kilo., easily outbidding the German product quoted at 28 marks, but in consequence of the adverse rate of exchange it rose to 14 marks towards the end of the past year.

The following letter has been received from the Gold Coast by Strode, Cosh & Penfold, manufacturing chemists, Bristol : "I am very gratification to inform you this few message to say that I have heard your name and address from a certain friend of mine that you are the best manufacturer in the city of Bristol. So there- fore I am herewith sending you a coupon with 2*d.* two penny stamps. Endeavour to send it to me by the next mail coming." The postscript reads : "I will think of you, that you will bring it to me per next boat coming."

Milk and Digestive Troubles.—Speaking in London recently, Sir James Cantlie said that medicine rested on the laws of Moses. We had never yet upset one of Moses' laws in regard to hygiene, sanitation, or medical teaching. Our wrong use of milk was the cause of indigestion and bad teeth. Moses laid down the salutary law that milk should not be drunk until at least two hours after eating fish, three after chicken, and four after meat, but we disregarded this and gave milk at meals. No careful Jewish mother would give milk to her child when meat was served.

Pharmaceutical Society of Ireland.

Council-meeting.

The monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on February 10, Mr. J. E. Connor, J.P., President, in the chair. The following members of the Council were also present: Dr. A. J. Barnes (Vice-President), Mr. G. D. Beggs (Hon. Treasurer), Dr. J. A. Walsh, Dr. J. C. McWalter, Messrs. Wm. Doig, John Smith, G. A. McLean Lee, Wm. J. Hardy, A. Owen Wells, H. Lancashire, J.P., Thomas N. Moffitt, Victor E. Hanna, D. M. Watson, and W. F. Wells.

Correspondence.

The Registrar (Mr. A. T. Ferrall) submitted a communication from Mr. Bullen, Assistant Controller, Ministry of Labour Appointments Department, thanking the Council for nominating Mr. W. F. Wells as the successor to Mr. James Michie, who had represented the Pharmaceutical Society upon District Selective Committee No. 11.

The Registrar also submitted a communication from the Ministry of Labour Irish Department Appointments and Training Branch, thanking the Council for appointing Mr. J. E. Connor, Dr. A. J. Barnes, and Mr. G. D. Beggs to assist in connection with the scheme for obtaining employment for demobilised officers.

Changes of Address.

Mr. Robert Farrell, Ph.C., wrote notifying change of his address from 22 Main Street, Blackrock, co. Dublin, to Ronan's Medical Hall, Dunlavin, co. Wicklow, and Mr. C. R. McMullen, Ph.C., from Blackrock, co. Cork, to 41 Tates Avenue, Lisburn Road, Belfast.

Preliminary Registration.

The following submitted certificates of other bodies, and were admitted to Preliminary registration:

Miss Geraldine Goldon, The Medical Hall, Birr; Miss Henrietta M. Murison, International Pharmacy, 21 Dawson Street, Dublin; Miss Mary O'Connor, c/o Mr. W. J. Burke, M.P.S.I., 128 North Main Street, Youghal; Mr. Patrick Oliver Hamill, Barrack Street, Oldcastle, co. Meath; and Mr. J. E. O'Donnell, c/o Mrs. Coleman, New Street, Ballaghaderreen, co. Roscommon.

The following submitted Army and school proficiency certificates, and were also admitted to Preliminary registration:

Mr. A. Williamson, 95 Victoria Street, Lurgan; Mr. F. S. Westbury, 85 North Main Street, Youghal; Mr. S. O'Farrell, 10 Lower Pembroke Street, Dublin; Mr. H. M. Lancashire, Church Street, Ballymena; and Mr. C. E. Hull, 6 Knutsford Drive, Cliftonville Road, Belfast.

Pharmaceutical Licences.

The Pharmaceutical Licences of the following were ordered to be sealed:

A. T. McKay, J. Madden, J. C. Flood, W. F. Pedlow, P. K. Ryan, D. Corcoran, W. McFarland, Mary C. Lancashire, C. L. Reilly, D. K. O'Connell, J. M. O'Connell, Teresa McAdam, and James Moore.

Certificate of Death.

The Registrar submitted a certificate of the death of Mr. Patrick T. J. W. Cosgrave, Ph.C., late of the Peter Street Dispensary, Dublin.

Elections and Nominations.

The following were elected to membership:

Mr. M. J. Bunyan, Ph.C., The Medical Hall, Birr.

Mr. J. A. Deakin, Ph.C., The Pharmacy, Phibsborough, Dublin.

Mr. F. McAnally, Ph.C., Medical Hall, 45 Dublin Street, Carlow.

Mr. T. J. McSweeney, Ph.C., Medical Hall, Macroom, co. Cork.

Mr. Wm. Power, Ph.C., The Medical Hall, Castletownbere, co. Cork.

Mr. G. Johnson, R.D., 81 Ravenhill Road, Belfast; Mr. J. White, R.D., Bridge Drug Stores, Artillery G Fermoy, were elected associate druggists.

The following were nominated as members: Mr. A McKay, Ph.C., 38 Wexford Street, Dublin; Mr. W Pedlow, Ph.C., 41 Hanover Street, Portadown; Samuel Orr, Ph.C., Holywood, co. Down; and Miss Constance Lancashire, Ph.C.

The following were nominated as associate drugg Mr. M. C. Moroney, R.D., Scariff; Mr. W. E. Wi R.D., 31 North Street, Belfast; Mr. R. A. Jamison, F Hawthornden, Knock, Belfast; Mr. W. T. Gordon, F 283A Newtownards Road, Belfast; Mr. Samuel N R.D., 245 Woodstock Road, Belfast; Mr. F. A. B R.D., 210 Falls Road, Belfast; Mr. E. B. Aplin, F Bridge Street, Ringsend, Dublin; and Mr. Robert B R.D., 118 George Street, Limerick.

Examinations.

Dr. E. H. Murphy, M.B., was re-elected a Prelimi examiner, and Mr. D. Warwick, M.P.S.I., a Pharm examiner.

Reports were received from the examiners upon Preliminary, Pharmaceutical Licence, Pharmaceu Assistant, and Registered Druggist examinations. F candidates presented themselves for the Prelimin examination, of whom twenty-five passed. For the P maceutical Licence examination twenty-two candid presented themselves, of whom thirteen passed. F passed with honours, and one obtained gold medal m at the first attempt. He was, the Registrar stated, ex-Army man who had been in a Scottish regiment, took a fancy to Dublin while stationed there. F candidates, one of whom was a lady, presented themse for the Pharmaceutical Assistant examination, and passed. For the Registered Druggist examination candidates presented themselves, of whom three passe

Councillors' Travelling Fees.

A report from the House Committee recommended t the travelling expenses of country members to the end last September, amounting to 109*l.* 8*s.*, be paid in f and that the Council should consider the whole quest of travelling expenses. This was agreed to.

The Annual Subscriptions.

The Vice-President proposed, in accordance w notice of motion:

That from and including the year ending September 1921, the annual subscriptions payable by members associate druggists shall be increased to a sum not exceed one and a-half guineas.

He said he had made this suggestion last year, but feeling of the Council at that time was distinctly agai the proposition, and he accordingly had to withdraw resolution. He thought that was rather unfortuna because a lot of valuable time had been lost. It had b long ago obviously desirable that their income should increased. To-day it was imperative. They had r really considered seriously the question of their incon It was true that they were charging more to reject candidates for their re-examination, and that was accordance with a notice of motion of his a couple years ago. But that must not be regarded as an increa of income. It was merely a prevention of leakage, becau up to that point they had been conducting their examinations at a very considerable loss. They we therefore, as regards income, practically speaking, in t same position to-day as in July 1914, but in the meantin their expenses had gone up enormously, and the increa in expenditure showed signs of continuing rather th abating. Something must be done to meet the situatio or else they would not be able to carry on the busine of the Society with anything like efficiency. It was ju possible that this question of increasing the membersh fee would have been taken in hand three or four yea ago, when expenses were beginning to soar, but for t impression abroad that they were tied down by their Ac of Parliament. That was not the case, however. Th annual subscription is mentioned only once in the statutes, and that is in the Amendment Act of 1890. B

referred to in such a way that it leaves the Council ectly free to alter the amount if they so desire. The rence is in Section 13 of the Act (page 30 of the endar). The section regarding the election of asso- e druggists on the Council concludes :

nd every such person so voting at such election shall to the Society a fee of one guinea as an annual sub- ption in respect of the year 1891.

he section distinctly limits the payment of a guinea the year 1891, and he thought that it left the Council e to name any other amount for any other year. suming that his interpretation was correct, the next nt to consider was the new amount of the annual sub- iption. In this connection they must bear in mind at each member got for his money. He got THE EMIST AND DRUGGIST and the Calendar. They must o bear in mind what these cost independently of the iety. Before the war THE CHEMIST AND DRUGGIST st 10*s*. a year and the Calendar 2*s*. 6*d*., a total of 12*s*. 6*d*. e difference between that and the guinea was 8*s*. 6*d*. e cost of THE CHEMIST AND DRUGGIST in the ordinary y is now 15*s*., and the new price of the Calendar when comes out will be 4*s*., or a total of 19*s*. That leaves a lance of 2*s*., which is exactly what each member is con- buting to the Society, as compared with 8*s*. 6*d*. before e war. To bring the 2*s*. to 8*s*. 6*d*. would mean an crease of 6*s*. 6*d*., which added to the guinea would make e subscription 1*l*. 7*s*. 6*d*. An increase to that extent, wever, would only bring in about 140*l*. a year. He ought the members of the Council would agree that at amount was hardly sufficient. He thought a guinea d a-half would be nearer the mark.

Mr. BEGGS (Treasurer) seconded the resolution.

Dr. MCWALTER considered that the question should be ferred to the annual meeting of the Society. He was t at all sure that it was competent for them to deal ith the question at a meeting of the Council. They had the Society a number of associate druggists and a umber of pharmaceutical chemists. One of the privi- ges of membership was to elect a Council, which elects xaminers and makes rules. There are privileges attach- g to membership which affected the whole profession or raft, and the Council could not lightly deprive the embers of those privileges, and they could not lightly aise the subscription. If it is competent for the Council o raise it at all, they might raise it to some impossible um, with the result of keeping numbers out of the fran- hise, whereas the object of the Act of Parliament was o get as many people as possible into the Society. It is uite true that the subscription is not now sufficient, and t might be necessary to raise it. But they ought to be ery cautious about raising it. He was of opinion that t could not be done except at a general meeting. The Council could send a recommendation to the general meet- ing and let the question be determined there. The sub- scriptions of nearly all societies had been raised, but many societies only applied the increased subscription to new members.

Mr. WATSON said that if the question went to the next annual meeting it would then be too late to apply the increased subscription to next year. The subscription would be due on October 1. A special general meeting of the Society might be called before October 1 for the purpose of considering the matter.

Mr. MOFFITT : How many licentiates are non-members of the Society?

The REGISTRAR : About seven hundred, roughly speaking.

Mr. MOFFITT seconded Dr. McWalter's amendment referring the matter to the annual meeting of the Society. If the seven hundred licentiates who were not members of the Society could be induced to come in; it would mean seven hundred guineas. He would not be in favour of raising the subscription from a guinea to a guinea and a-half. In the case of the members of a club the treasurer usually got their subscriptions from them when they visited the club. But in their Society the members were scattered all over Ireland, and their treasurer could not get into touch with them : and he thought that, if the subscription were increased, when the time for payment came round again, a great many of them would drop out. The Society would never be right until they got an Irish journal of their own.

Mr. LANCASHIRE said they should proceed with caution, because he feared that they might lose a great number of their present subscribers. An effort should be made to enlist the support of the seven hundred non-subscribers. If they did not get them all they might get a large number of them. He would be greatly disappointed at not receiving THE CHEMIST AND DRUGGIST weekly. Its advertisements alone were worthy the attention of any man who wished to keep himself up in the markets of the world.

Mr. W. F. WELLS said he read through THE CHEMIST AND DRUGGIST every week. If one wanted to keep himself up to date the time spent in reading it was well spent. He altogether objected to Dr. McWalter's proposition—he objected to the Council giving away any of their rights to the annual meeting.

Dr. MCWALTER : That is the whole question—is it a right?

Mr. WELLS said the Act of Parliament laid it down. One of the duties of the Council was to decide "the fees to be charged for examination, licence, and registration under this Act, and the entrance fees and annual subscriptions to be paid by members of the said Pharmaceutical Society." He thought that was plain. If they did it now, it would be the first time in the history of the Society that the Council handed over its rights to the annual meeting. He believed that the annual meeting was a good thing, and he was sorry that the members do not air their grievances at it more than they do. Some of the members of the Society are very fond of airing their grievances outside, but when they get an opportunity at the annual meeting they do not bring forward points of interest to themselves and to the Council. As an old member of the Council he was always ready to hear what their constituents said; but on this question it would be a grave mistake to hand over to the licentiates the power given to the Council by Act of Parliament. As a rule there are only thirty or forty members at the annual meeting, and if they referred the question to that meeting they would be only taking the opinion of thirty or forty members, and not the opinions of the whole body of chemists throughout the country. He had a very strong feeling that, if it is possible to avoid it, it is better not to raise the subscription. He would take a half-way house and he would suggest that they make it 25*s*. That would bring them in about 100*l*. a year extra, provided that they did not lose any of their members. At the same time they should make an effort to get new members. They could point out to their licentiates that they could not go on as they were. If they did not get an increased income they could not go on with their prosecutions. He did not think any member would object to an increase to 25*s*.

Dr. MCWALTER submitted that the associate druggists would be entitled to come in on payment of one guinea.

Mr. WELLS differed, and quoted Section 13 of the Amendment Act of 1890 in support of his view.

Mr. SMITH said if they were going to alter the annual subscription at all they ought to alter it to a guinea and a-half. He would not lose THE CHEMIST AND DRUGGIST for two guineas, nor for five guineas. Any man who would care to give up his membership for 5*s*. would not be held in the Society by making the subscription 25*s*.

Mr. DOIG thought it would be a mistake to raise the subscription to a guinea and a-half. They would lose more money by the loss of members than they would make by the extra half-guinea. He would second the amendment of Mr. Wells to make the subscription 25*s*.

Mr. HANNA and Mr. WATSON expressed themselves in favour of an increase to a guinea and a-half.

Dr. MCWALTER's amendment to refer the question to the annual meeting was defeated, as was also that of Mr. WELLS proposing to fix the annual subscription at 25*s*.

The motion proposed by the VICE-PRESIDENT, and seconded by the HON. TREASURER, fixing the annual subscription at a guinea and a-half, was passed by nine votes to five.

Associations' Winter Session.

Dewsbury.—A meeting of the Dewsbury Chemists' Association was held on February 16 at Trinity Hall, the president (Mr. G. Walker) being in the chair. Mr. P. F. Rowsell (vice-president of the Pharmaceutical Society and vice-president of the Proprietary Articles Trade Association) delivered an address on P.A.T.A. matters. In the course of his remarks, dealing with the 1½ per cent. charged by the wholesalers on proprietary articles, Mr. Rowsell said that it was essential that the chemists of the country should know the position of affairs so far as the members of the retail section of the council were concerned. He pointed out that some re-arrangement owing to increased carriage was essential, but regretted that the temporary arrangement made was not on the basis of 1 per cent. to the wholesaler and 1 per cent. to the retailer. Still, it must be remembered that the arrangement was only a temporary one, and that the wholesaler had to be met in some way. He was glad to be able to say that as the result of the meeting of the Executive Committee last week an arrangement was entered into by which after March 1 the present surcharge would be discontinued, and that the wholesalers would add, in place of their present surcharge of 1½ per cent., to all articles that do not give them 12½ per cent., 2 per cent. to cover the increased cost of carriage. Mr. Rowsell further stated that many articles are sold by the wholesaler at the present time at an actual loss, and that in the case of some articles it would be necessary to add a very much larger sum than this to make them even pay expenses. In his view, the speaker considered that this would bring to a head the question of lack of profit on many articles at present sold by the chemists, and it would enforce upon the manufacturers the necessity of re-adjusting their prices entirely if the goods in future are to be handled by retailers.

Liverpool.—The fortnightly meeting of the Liverpool Chemists' Association was held at the Royal Institution, Colquitt Street, on February 11. Mr. D. H. Evans (President) introduced Professor Harvey Gibson, C.M.E. (University of Liverpool), to lecture on *The Origin of Life on this Earth.* The lecturer commenced an erudite paper by asking "What is life?" and showed that while many had essayed to solve the problem, no one had lifted the veil. The ultimate constitution of protoplasm was a matter on which even now very little was known. Analysis by twentieth-century methods left the imagination taxed to explain how the elements of protoplasm were capable of manifesting the phenomena of assimilation, growth, sensitivity, reproduction, variation, and heredity. Was it any wonder that Darwin should have used language implying that he believed the one primordial form from which all living things on this earth had their origin was called into existence by the direct fiat of a Creator? Having examined and demonstrated the shortcomings of the panspermic theory (that living organisms were borne to this earth by meteorites), the theory of spontaneous generation, it was demonstrated, had led to little more than fanciful assertions. To repudiate spontaneous generation and yet to believe that living forms did, at one time in the earth's history, arise from non-living matter, were two very different propositions, and it was possible to accept both. The greatest difficulty experienced in attempting to account for the origin of life on the globe, as a result of physical and chemical conditions, had long lain in the complexity of the molecules of the proteins which enter into the composition of protoplasm. The molecular composition of hæmoglobin was given as $C_{712}\ H_{1130}\ N_{214}\ O_{245}\ Fe\ S_2$. Kossel and his school had shown the protein molecule to be largely constituted of amino acids, bodies which possessed the remarkable property of being both basic and acid. An amino acid consisted of one or more NH_2 groupings, together with one or more COOH groupings or carboxyls. If, now, the combination $COOH+NH_2$ be deprived of H_2O, there was left $CO-NH$, which chemists call a peptide linkage. It was possible, thanks to the late Emil Fischer, that the synthesis of protein may become an accomplished fact. The constitution of proteins is no longer an insoluble mystery to chemists. The same building material was used in the architecture of man and of the forest tree. Having traced the evolution of microscopy and the ultramicroscope, the professor said each particle in protoplasm was in a definite sense alive, just as the protoplasm as a whole is alive, and he quoted the evidence of pathologists that organisms present in certain diseases were beyond microscopic vision. Looking hopefully to the future, he pointed out that in the oldest of stratified rocks was found proof of the existence of living things not very much higher than the primæval forms supposed to have arisen in the waters on the surface of the cooling earth. Examination of the planets suggested that life could not be considered as a special product peculiar to this earth; indeed, scientists must contemplate an eternal procession of life through the universe, and marvel, even more than at the vastness of the universe, that the brain of man was able to comprehend it, even though only in part.

London (W.).—A meeting of the Western Pharmacists' Association was held in the drawing-room of the Y.M.C.A., Tottenham Court Road, W.C., on February 18, the President (Mr. H. S. Watson) in the chair. After a short business meeting, at which the forthcoming Council election of the Pharmaceutical Society was mentioned, a lantern lecture was given by Mr. S. Jamieson on *Paraffin from the Wells to the Pharmacy.* Mr. Jamieson's historical introduction had a pleasant flavour of erudition. Strabo, Apollonius, Marco Polo, and a string of other classics were cited as having recorded the existence of petroleum-bearing deposits. Coming to our own day, the discoveries of oil in the United States were graphically described and illustrated, and the present process of boring and purification was lucidly explained. Mr. Jamieson insisted that medicinal liquid paraffin is a definite chemical substance, and that consequently the source from which it is obtained is immaterial to the patient. The British Pharmacopœia was criticised, in passing, for the incompleteness of its tests. The apparatus for Redwood's viscosity test was shown on the lecturer's table, and its working was made clear in a diagram. The audience, which filled the room, heartily applauded Mr. Jamieson at the close of his lecture, and questions were asked by Messrs. Ellis, B. R. Wilkinson, A. W. Hall, A. R. Melhuish, G. D. Bowie, and H. R. Procter. A cordial vote of thanks was accorded, on the motion of the President.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held in the Medical School, Manchester University, on February 11, the President (Mr. Hershberg) in the chair. Mr. J. Grier, M.Sc., Ph.C., gave a lecture on the *Higher Aspects of Pharmaceutical Education.* He strongly advocated the setting up of a Pharmacological Institute in connection with the University, where medical and pharmaceutical students could work together upon research. One fruitful source of research for which pharmacists were particularly adapted was the investigation of intermediate products in the manufacture of dyes. The University authorities had recently made an appeal for funds, and Mr. Grier suggested that any contributions from pharmacists and firms allied to pharmacy should be earmarked for the Pharmaceutical Department. He said the Major examination should be recast to include bacteriology, clinical analysis, urine and sputum analysis, practical application of physics for medical treatment. In the discussion that followed, Professor R. B. Wild said he wondered if there was room for the Major examination in pharmacy, and if there was any advantage for the man who took the examination. He was not at all sure if the man would not be better advised to take the B.Sc. degree instead. It is useless encouraging students to take the additional qualification unless there was a prospect of a definite position awaiting them at the end of it. He thought they should endeavour to capture positions as analysts for which their training peculiarly fitted them Speaking on

arch he said that comparatively few students—about er cent. in his estimation—were fitted for this work. iosity and a fine imagination were essential, and a ontent with accepted explanations: that combination le for a successful research worker and one who ed to our knowledge. Mr. Kirkley thought the B.Sc. ree was now better than the Major and more antageous.

heffield.—A special meeting of the Sheffield Pharmatical and Chemical Society was held at the Literary d Philosophical Rooms on February 17, Mr. H. Bown ice-President) in the chair. He was supported by a ge attendance of members, who admired the Roll of onour prepared by Mr. H. B. Hammond, and which ntains 114 names. A lantern lecture was given by . J. Stanley White on *Organo-Therapy and the Manucture of Biological Products*. Dr. White pointed out at the great and growing importance of biological proicts in the prophylaxis and treatment of infectious seases rendered it imperative that the pharmacist, who ms to keep abreast of his profession, should have some nowledge of the nature and field of application of this ass of therapeutic agents. He discussed the various pes of immunity, pointing out that it was as the result the study of immunity that the use of serums, accines, phylacogens, and tuberculins had established emselves as therapeutic agents of the utmost value. iological methods of combating diseases reinforce he protective mechanism either by affording an additional stimulus or by directly supplying antibodies. Dr. White then briefly referred to Jenner's vaccination, Pasteur's experiments, Koch's tuberculin, and Behring's principles of blood serum therapy. The manufacture of erums and vaccines was explained and demonstrated by neans of lantern-slides. The principles of vaccine herapy were next outlined, and numerous micro-photographs were thrown on the screen. A brief reference was nade to the use of tuberculins in medicine. The lecturer referred to the epidemic of influenza-pneumonia, and strongly advocated the prophylactic inoculation of a vaccine composed of the influenza bacillus, the pneumococcus, and the streptococcus. He also referred to the extraordinary results which had followed the use of pneumonia phylacogen in the treatment of this condition. Dr. White concluded his lecture with a reference to organo-therapy.—At a meeting of the Sheffield Students' Association held on February 13, Mr. Israel Best presiding, Mr. John Evans, F.I.C., Ph.C. (City Analyst), gave a lecture entitled *Food and Accessory Food Factors*. He pointed out that proprietary foods and dried milks, etc., handled by the chemist daily, should be thoroughly understood, as the customer placed greater confidence in the advice given by the pharmacist than by the general dealer. He dealt with the constituents of food, and afterwards he gave the composition of the various proprietary foods upon the market; also the vitamines. Mr. Evans gave a very interesting result of measuring by the teaspoonful, differences of 30 to 90 grams being recorded.

South Wales and Monmouthshire Federation.

THE South Wales and Monmouthshire Federation of Pharmaceutical Associations held a meeting at the Thomas Arms Hotel, Llanelly, on February 10, at which the President (Mr. Benson Harries, Newport) occupied the chair, supported by Vice-Presidents Mr. H. M. Lloyd (Merthyr Tydfil), Mr. Walter Lloyd, J.P. (Carmarthen), Mr. Jn. Walters (President, Carmarthenshire Association, Burryport), Mr. Albert Hagon (Cardiff), Mr. Francis Phillips, J.P. (Haverfordwest, President Pembrokeshire Association), Mr. Owen Jenkins (President Cardiff Association), together with many prominent members of the Carmarthenshire Association. The question of the supply of medicines after closing-hours and the arrangement of open pharmacies in rotation was dealt with, and it was pointed out that such an arrangement was now established in Pembrokeshire. In Cardiff it had been abandoned, as no prescriptions had been presented. It was decided that the question of the dispensing of prescriptions after closing (rota) should be left to each local Pharmaceutical Committee. The dispensing of prescriptions for insured persons beyond the mile limit by their doctor was also discussed. It was thought that pharmacists were now well established throughout the Principality of Wales and Monmouthshire, and that prescriptions should be made up by the chemist. With regard to proprietary articles, it was thought that a general appeal should be made to all retail businesses to adopt face values. The organisation of the Federation was next dealt with by the Secretary (Mr. W. T. Sivertsen), who stated that since the last meeting Breconshire and Radnorshire had been incorporated in the Federation, and he hoped shortly to be able to notify them of the adherence of Cardiganshire and the whole of North Wales. It was decided that the next meeting of the Federation should be held at Llandrindod Wells in April. It was agreed to support the Government Early Closing Bill.—The open meeting which followed was presided over by Mr. J. Walters (President, Carmarthenshire Association), and Colonel Downes Powell (the Ministry of Labour) addressed the meeting on behalf of the ex-Service men now in training. Colonel Powell informed them that there were about 2,000 students now in training in the colleges in England, Scotland, and Wales, of whom very few had so far presented themselves for their examination in pharmacy. He expected this number to be greatly augmented in October next. Some fear had been expressed as to the possibility of finding employment for such a great number, and he appealed to the members to assist the Ministry of Labour in finding employment at fair wages for these men when qualified. Mr. Walters, in agreeing that trouble may be encountered in finding employment for so many men, asked Colonel Powell to make representations to the Ministry of Health to bring the dependants of the insured workers into the National Health Medical Benefit scheme. Mr. Walter Lloyd (Carmarthen) expressed the opinion that the short apprenticeship in some cases was a drawback. Mr. Hagon suggested that the Government Department should keep in touch with the Federation. He did not think there was any uncertainty as to the future of the men now in training. Mr. Benson Harries, in moving a vote of thanks to Colonel Powell, emphasised the point brought forward by Mr. Walters. Mr. H. M. Lloyd (Merthyr), in seconding, thought there would be no great difficulty in finding employment for these men. Mr. Henderson (Llanelly) said that as far as he was aware there was not a single qualified assistant employed in Carmarthenshire, and he did not think there was much opening, but if the Government brought the wives and dependants within the Insurance Act, as suggested, there would be scope for the employment of such men. Mr. Benson Harries (Newport), in referring to the Welsh College of Pharmacy, Cardiff, said that he and Mr. H. M. Lloyd (Merthyr), and also Mr. Johnson and Mr. Leo Joseph (Cardiff), had visited the College. He spoke highly of the organisation of the various departments. The botanical-histological department had been equipped with new microscopes. Pharmacy, he said, with its apprenticeship and subsequent college training, formed an ideal beginning for a successful career as an industrial chemist. Mr. A. Hagon (Cardiff) asked that the Federation should present annually a silver and a bronze medal to the most successful student who qualified from the College, and it was agreed to authorise Mr. Hagon to make the necessary arrangements for the medals. Mr. Walters introduced Mr. Hugo Wolff, member of the Council, who had been invited to address the meeting. Mr. Hugo Wolff said that a commercial education in business methods and salesmanship would prove of greater value than a higher scientific training to the pharmacist who wished to engage in retail business. Pharmacists should let the public know the full meaning of their qualifications and their title M.P.S. He viewed with some concern the co-operative movement and the growth of multiple stores. Mr. Walter Lloyd, J.P. (ex-President of the Carmarthenshire Pharmacist Association), was presented with a silver cup, in recognition of services rendered, and Messrs. John Davies (Llanelly) and Ivor Jones (Carmarthen), past secretaries, were each given a gold fountain-pen.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—A conference between Insurance Committee representatives and the Panel and Pharmaceutical Committee was held recently at Blackburn, Mr. E. Hindle, J.P., presiding, to consider a scheme for securing adequate pharmaceutical service. Dr. J. T. T. Ramsay, J.P., for the doctors, said the present hour of 8 P.M., at which chemists closed their shops, was too early, as many doctors had surgery hours of 8.30 and 9 P.M. In reply to the chairman, Dr. Ramsay said he had a few complaints in his own practice. Mr. W. H. Grimshaw, for the Pharmaceutical Committee, said so far as he knew no complaint had been brought to the notice of his Committee. If the Insurance Committee thought a genuine case had been made out, his Committee were prepared to meet the doctors on the matter. The chairman thought prescriptions should be dispensed the same night, if possible; and the opinion was expressed that chemists should remain open until 8.30. There is a strong feeling among chemists that they should not be called upon to continue dispensing after 8 P.M. The question will be re-discussed shortly.—The Pharmaceutical Committee are preparing a rota for the half-holiday, Sunday evening, and holiday seasons, to be confirmed by the Insurance Committee.—At a meeting of the Insurance Committee on February 11, a letter was read from the Pharmaceutical Committee enclosing a scheme under which the closing hour for chemists will be 8 P.M. except Thursdays (1 P.M.) and Sundays, with a rota of four shops open between 6.30 and 7.30 P.M. on the latter days. A list of chemists residing on the premises and other places where urgent prescriptions might be dispensed was also supplied. As several doctors have surgery hours extending to 9 P.M. and 9.30 P.M., it was decided to refer the scheme to a small committee, consisting of representatives of the Insurance Panel and Pharmaceutical Committees, for consideration.

Derbyshire.—At a meeting of the Insurance Committee on February 17, it was reported that the usual hours of chemists' establishments should be from 9 A.M. to 7.30 P.M., except on Sundays, Bank holidays, and the weekly closing day. Double dispensing-fees would be payable in respect of urgent medicines dispensed after the ordinary hours. The Derbyshire prescriptions priced by the N.E. Midland Pricing Bureau (*C. & D.*, February 14, p. 68) totalled 336,544, at a cost of 426*l.* 4*s.* 3*d.*

Eastbourne.—A meeting of the Pharmaceutical Committee was held on February 10. The scheme required under Article 9 of the regulations provided for a curtailment in the doctors' surgery hours and a lengthening of most of the chemists' hours, which was thought to be a considerable improvement in the pharmaceutical service. The urgency fee will still apply Wednesdays, Sundays, and public holidays as hitherto, in addition to any night work.

Kent.—At a meeting of the Insurance Committee held at Maidstone on February 11, it was reported there were 186 persons (representing 261 shops) undertaking to supply drugs and appliances, as compared with 189 (representing 264 shops) on December 31, 1919. There were also three persons (representing three shops) undertaking to supply drugs (other than scheduled poisons which require to be dispensed) and appliances, the same as last year. The names of two chemists were added to the panel and three were withdrawn. The Committee approved the estimated expenditure of 595*l.* in respect of the Pharmaceutical Committee, and the estimate will be submitted to the Ministry of Health for approval.

Lancs. Pricing Bureau.—At a meeting held at Preston on February 10, Mr. H. D. Holland was elected chairman. A discussion took place on the question of pricing autogenous vaccine, and it was decided to refer the matter to the Ministry of Health for decisions on the following points: (1) Whether vaccine came within the scope of medical benefit; (2) whether the Committee would be justified in paying a reasonable fee to practitioners, etc., for this preparation. It was then agreed that a call of 30*s.* per 1,000 prescriptions for 1920 be made. It was estimated there would be 500,000 for the first half of 1920, compared with 570,213 for the corresponding period of 1919.

Organising the Drug-trade.

North London Assistants.

Mr. H. A. Brown, 89 Goldsmith Avenue, Manor Park, London, E. 12, wishes to get in touch with assistants in North London, with a view of forming an Association.

National Warehouse and General Workers' Union

The Pharmacists' and Assistants' Section, Leeds district branch, of the National Warehouse and General Workers' Union passed a resolution at a recent meeting deploring the delay in the formation of an Industrial Council for the drug trade, and urging the responsible authorities to take immediate action. The delay is stated to be causing employés in the drug trade to receive old rates of pay while other workers are receiving increases.

National Association of Chemists' Assistants.

A meeting of the Manchester branch was held in the Pharmaceutical department of the University on February 11. The department was thrown open for inspection before the meeting, which privilege was much appreciated. An address was given by Mr. J. W. Deakin, Northwich, on *Pharmaceutical Organisation.* The chair was occupied by Mr. James Grier, M.Sc., and there was a good attendance. Mr. Deakin sketched the growth of the organisation of the Pharmaceutical Society from the granting of the charter in 1843. Mr. Deakin then outlined the provision made for ex-service students. He considered it necessary and proper that assistants should weld themselves together, and agreed that the claim for a living wage, leisure, pleasure, and satisfactory conditions is just, and that some share in the profits ought to be the right of those associated in a business, but they must remember that any general improvement was dependent upon the improvement of the individual. An interesting discussion ensued, in which Messrs. Fullerton, Livesey, Williamson, Abrams, Challinor, and Kirkby took part. In replying to a vote of thanks, Mr. Deakin dealt with the points raised, and expressed appreciation of the tone of the discussion.

Drug Union Meetings.

The Coventry branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers held a meeting on February 11, Mr. G. H. Lusty (President) in the chair. The annual report was read, showing a balance in hand. Mr. A. J. Gillian then gave an address, and reviewed the progress made by the Union since his last visit in July. Mr. H. S. Lawton, secretary of the branch, called attention to the work done by the Pharmaceutical Society in obtaining training grants for demobilised pharmacy students, and urged the members to assist in a local endeavour to obtain technical classes for juniors and apprentices, in which matter they would be able to co-operate with the Coventry Pharmacists' Association. At the close of the meeting a start was made with the list of prospective students.

A meeting of the London Stores Branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers was held on February 13 at the Arundel Hotel. Mr. H. H. Goodship presided. It was announced that the negotiations between the Society and the Junior Army and Navy Stores have been satisfactorily brought to a close. The members of the branch employed by the Army and Navy Co-operative Society, Ltd., showed their appreciation of the splendid services recently rendered by the branch secretary, Mr. J. W. Stevens, by presenting him with a silver cigarette-case. Over thirty members had been added to the branch roll during the past week. Mr. Hewish delivered an address on *Labour and the New Social Order*, which was followed by a debate.

Trade Report.

42 Cannon Street. E.C. 4 Feb. 19.

: parlous condition of the American and European s of exchange continue to dominate the commercial ition, as it may frequently happen that an apparent fit on paper may easily be turned into a loss, and as margin worked on is very small there is little induce- nt to import, particularly chemicals from the United tes, and supplies from this quarter have fallen off. emicals from the Continent, however, are arriving more ely, particularly from Switzerland, Holland, and nce. The latter country has, however, comparatively le to send, owing to lack of fuel, raw materials, labour, l transport difficulties. The principal changes of the ek include a further advance in citric and tartaric ds; cream of tartar is very firm, but forward delivery be had at a more reasonable price. Phenazone, enacetin, vanillin, potash permanganate, hexamine, pirin, and salicylates show a rising tendency. Sulphonal, maldehyde, and British saccharin are dearer. Amido- rin, paraldehyde, phenolphthalein are more or less eaper. Quicksilver shows an advance aggregating 1*l*. ercurials are so far unaltered, but vermilion is dearer. d cloves are firm. The changes in essential oils are pplied. Among drugs, senega is 6*d*. higher. Japanese b camphor is easier; menthol and oil are steady. nary-seed is again lower; coriander is firm, cumin arer, and fenugreek quiet. Albumen is a trifle easier; belia is very scarce. Pimento and pepper are weaker, d cloves are firm. The changes in essential oils are alt with on page 71.

Higher	Firmer	Easier	Lower
y oil	Aspirin	Albumen	Amidopyrin
tric acid	Caraway oil	Anise oil, star	Canary-seed
tronella oil (Java)	Geranium oil (Alg.)	Camphor (Jp. ref.)	Hemp-seed
mmin-seed	Linseed oil	Coumarin	Lemon oil
rmaldehyde	Phenacetin	Patchouli oil	Orange oil (Sic.)
ingergrass oil	Phenazone	Pepper	Musk ambrette
eliotropin	Potash permang.	Pimento	Paraldehyde
emongrass oil	Rosemary oil		Phenolphthalein
inalyl acetate	Senega		Resorcin
itharge	Terpineol		Shellac
etitgrain oil	Theobromine soda sal.		Turpentine
uicksilver	Vanillin		
ed lead			
accharin			
assafras oil			
pike oil			
ulphonal			
artaric acid			
ermilion			

Cablegram.

NEW YORK, February 19.—Business in drugs is fair. Cartagena ipecacuanha has been advanced to $3.75. Belladonna-root is lower at 52c. Oregon balsam of fir has advanced to $1.90 per lb. Potassium iodide is lower at $3.10. Round buchu has been advanced to $2.60 per lb.

ACETANILIDE has been selling at from 4*s*. to 4*s*. 1½*d*. per lb., but 4*s*. 3*d*. is now a more general price.

ALBUMEN is a trifle easier at 6*s*. 4*d*. per lb. for prime Chinese hen. Native dried egg-yolk is 1*s*. 9*d*. per lb.

ALOES.—The exports from the Union of South Africa during October amounted to 134,531 lb. (1,422*l*.), against 4,000 lb. (50*l*.) for October 1918. For the ten months ended October 31 the exports were 836,964 lb. (8,760*l*.), against 343,886 lb. (3,682*l*.) for the corresponding period of 1918.

AMIDOPYRIN.—From consignments just arrived from Switzerland business has been done at 56*s*., but 60*s*. is now lowest.

ANISE.—Russian is quoted 89*s*. per cwt. on the spot, and Spanish 90*s*. c.i.f. terms for prompt shipment.

ASPIRIN is in upward tendency, and several of the makers are asking 5*s*. 9*d*. per lb. for forward delivery, so that 6*s*. is easily obtainable for spot parcels of B.P. quality.

BROMIDES.—Potash is arriving in fair-sized quantities from Germany, but there is considerable delay in obtaining delivery from that country, and in several instances orders placed over three months ago have not been delivered. Potash crystals or granular can be had at 4*s*. per lb., and for round lots of German rather less would be accepted. Soda bromide is 4*s*. to 4*s*. 3*d*., and ammon. 4*s*. 3*d*. to 4*s*. 6*d*. We noticed recently the arrival of several small lots of sodium bromide in New York from Germany.

CAMPHOR (REFINED) is quiet and easier, with sellers of Japanese 2½-lb. slabs at 19*s*. 6*d*. per lb. on the spot, and at 19*s*. c.i.f. afloat.

CANARY-SEED is again lower at 200*s*. to 205*s*. per quarter for ordinary, and 210*s*. to 215*s*. for good Morocco. Fair to good Spanish is offering at 245*s*. to 265*s*. c.i.f. terms.

CANTHARIDES.—In the absence of spot supplies of Russian the price is nominal at from 15*s*. to 16*s*.

CARBOLIC ACID ranges from 1*s*. 3½*d*. up to 1*s*. 6*d*. per lb. for 39° to 40° C. in crystals, according to maker and quantity. Licences for the export of coal-tar products have been revoked as from February 21, and this will tend to further strengthen the market.

CHLOROPHYLL is offered at 35*s*. per lb. on the spot; 340*l*. worth has arrived from Holland.

CINCHONA.—Further particulars of the auction to be held at Amsterdam on February 25 show that the 1,518 packages (916 bales and 602 cases) pharmaceutical bark weigh 82,516 kilos. and contain the equivalent of 2,649 kilos. quinine sulphate; 72,968 kilos. are Succirubra and 9,548 kilos. are Robusta, the root bark weighing 35,590 kilos.

CITRATES.—Present makers' prices are: Potash, B.P., powder or granulated, 5*s*. 10*d*.; sodium, 5*s*. 1*d*.; U.S.P., 5*s*. 7*d*. per lb. in 28-lb. lots. Ferri et ammon. cit. B.P., 5*s*. 1*d*. to 5*s*. 2*d*.; virid., 6*s*. 8*d*. (1 cwt., 6*s*. 5*d*.). Ferri et quininæ cit. B.P., vials, 1*s*. 8½*d*. per oz.; ½-oz. vials, 1*s*. 9½*d*.; and bulk, 1*s*. 7*d*. per oz.

CITRIC ACID is dearer, with spot sales at from 5*s*. 3*d*. to 5*s*. 5*d*. per lb., holders asking 5*s*. 6*d*. Forward delivery has been quoted at 5*s*. 3*d*., which is an indication of the market trend.

CLOVES.—Zanzibar have been firm, with further sales of fair at 2*s*. 8*d*. per lb., and the same price is also quoted for March-May delivery. A few parcels of Penang and Amboyna, just arrived, have been sold at good prices. At auction 10 cases fair Penang sold at 3*s*. and 100 bales Zanzibar *clove stems* sold at 5*d*.

COCAINE is very firm and scarce at from 37*s*. 6*d*. to 40*s*. per oz. for hydrochloride in small lots, and for larger quantities for forward delivery rather less is quoted.

COCOA-BUTTER is firm, with sales of prime English at 2*s*. 7½*d*. per lb. ex works.

COCA-LEAVES.—Further particulars of the auction to be held at Amsterdam on February 25 show that the 1,860 packages (1,704 bales and 156 cases) weigh 102,337 kilos., with a total alkaloidal content of 1,298 kilos. The average percentage is 1.27.

COD-LIVER OIL.—Our Bergen correspondent writes on February 9 that the cod-fishing is somewhat later than usual in commencing this year, owing to stormy weather preventing the fishermen from arriving at the fishing-places. The Lofoten fishing inspection was established on January 27, but the results are still without any importance, and the actual catch up to last week was not even half a million of cod, or about the same as in 1919 at the corresponding date. As to the production of oil, the prospects are very favourable, provided the fishing yields fair results. The content of liver in the fish is very satisfactory compared with that of previous years, and the livers are giving a fair percentage of oil. On the market buyers, as well as sellers, are attentive, and we think lower prices are probable. The official figures show that the output of new medicinal Norwegian cod-liver oil from January 1 to January 31, 1920, was 1,487 hectl., and for the week ending February 7 the output was 883 hectl., the liver for raw oils being 109 hectl.

CORIANDER-SEED is firm at 23*s*. 6*d*. per cwt. for fair Morocco, with buyers at 22*s*. 6*d*.

Coumarin has been selling recently at about from 37*s.* to 38*s.*, but from 41*s.* to 42*s.* now represents current spot values.

Cream of Tartar is very firm at 295*s.* per cwt. for 99 to 100 per cent. powder on the spot, and for February-June delivery 290*s.*, *ex* wharf is quoted.

Cumin-seed is dearer, with buyers of good sifted Morocco at 45*s.* per cwt., but sellers are holding for 47*s.* 6*d.* Ordinary to fair can be bought at 42*s.* 6*d.* to 45*s.*

Ergot.—No arrivals have taken place, and the scarcity is still acute, at from 27*s.* 6*d.* to 30*s.* per lb. for Spanish on the spot.

Farina is firm, with spot sales of No. 1 Japanese at 38*s.* 6*d.* per cwt. and sellers of February-April shipment at 37*s.* 6*d.* c.i.f. *Sweet* is quoted at 33*s.* 6*d.* spot.

Fenugreek-seed is quiet, with sellers at 16*s.* per cwt. for fair Morocco, and at 15*s.* to 15*s.* 6*d.* for old crop.

Formaldehyde is selling in small lots at the further advanced rate of 320*s.* per barrel.

Ginger.—As a result of the American demand, the spot stocks of Jamaica have been reduced by practically half, and it is anticipated that the shipments will be limited, the bulk of the new crop going direct to the United States. No sound quality appears to be offered below 100*s.*, and the lower grades are all more or less wormy. Cochin is tending firmer, and comparatively high prices are asked for forward shipment, and, as the market is practically bare of sound parcels, these will probably be realised in the early part of the season. Sierra Leone and Japanese are slow, at unaltered prices.

Hexamine.—There is every likelihood of a further advance, as the U.S.A., upon whom we depend chiefly for supplies, continue to report a great scarcity, due, in turn, to the position of formaldehyde. The price in New York is equivalent to 13*s.* 6*d.*, but for the moment spot (London) supplies can be had at 12*s.* 3*d.* to 12*s.* 6*d.* Imports valued at 135*l.* have been received from France.

Hydroquinone has arrived more freely of late, and the price keeps fairly low at from 11*s.* 6*d.* to 12*s.* Imports valued at 771*l.* have been received from the U.S.

Lactic Acid.—Imports valued at 2,409*l.* have been received from Canada. U.S.P. quality is quoted at from 12*s.* 6*d.* to 13*s.* per lb.

Lead Compounds.—Although there has been no further alteration so far in the price of white lead, another advance has just been enforced in red lead and litharge, the quotations for which range from 70*l.* 15*s.* to 72*l.* 5*s.* per ton, according to quantity, for the home trade and export.

Lobelia in limited quantity is offered at 8*s.* per lb. on the spot. The American quotation is higher than the London parity, but is quite nominal in the absence of supplies.

Menthol is steady, with small spot sales of Kobayashi-Suzuki at 72*s.*, and sellers.

Mercurials.—Makers' list prices and below 1 cwt. are as follows: Hyd. ammon., 8*s.*; hyd. oxid. rub., 8*s.* 5*d.*; præp., 7*s.* 11*d.*; hyd. oxid. flav., 7*s.* 9*d.*; hyd. perchlor., 7*s.* 2*d.*; hyd. persulph., 6*s.* 3*d.*; hyd. subchlor. (calomel), 7*s.* 7*d.*; hyd. sulph. nig., 6*s.* 9*d.* per lb. net; not less than 1-cwt. lots are 1*d.* per lb. less.

Oils (Fixed).—*Linseed* is dearer, with sales up to 116*s.* 6*d.* on the spot and at 114*s.* naked in Hull. Crude *Rape* is firm at 123*s.* and deodorised 135*s.* on the spot. *Cottonseed* is also firm at 118*s.* for Egyptian crude in London and edible 130*s.* to 135*s.* net, naked, ex mill. Ceylon *Coconut* is 120*s.* for arrived and 128*s.* for shipment; Cochin arrived is 122*s.* and for shipment 135*s.* per cwt. *Wood* oil has been sold up to 146*s.* per cwt. on the spot, and for prompt shipment from China 135*s.* is quoted; Lagos *Palm* has been sold up to 99*s.* and softs at 95*s.* in Liverpool.

Paraldehyde is about 1*s.* per lb. lower, importers offering at 7*s.* and afloat at 6*s.* 6*d.* c.i.f.

Pepper has been quiet and easier, with spot sales of fair black Singapore at from 11*d.* to 10¾*d.*; January-March has also been sold at 10¾*d.* to 10½*d.*, and March-May 10¾*d.* to 10⅝*d.* c.i.f. Lampong is offered at 10½*d.* Tellicherry at 1*s.* 1*d.*, and Alleppy at 10¾*d.* *White* pepper is dull, with spot sales of Muntok at 1*s.* 5½*d.* February-April shipment is quoted 1*s.* 5*d.* c.i.f., Singapore is 1*s.* 4¾*d.* spot, and January-March shipment 1*s.* 4¼*d.* c.i.f.

Phenacetin has a firmer tendency at from 16*s.* 6*d.* to 17*s.* per lb. New York advices, January 29, report more demand owing to the influenza epidemic, and spot goods have sold rather freely at $2.75. Makers are still asking $2.25, but cannot deliver before May.

Phenazone is irregular, but prices are distinctly firm at from 27*s.* to 28*s.* per lb. America reports a heavy business at $7.25.

Phenolphthalein is rather cheaper, offering at from 11*s.* to 11*s.* 6*d.* per lb.

Pimento has been rather easier, with spot sellers at 6⅛*d.* per lb.

Potash Iodide.—The exports from Japan during October 1919 amounted to 8,921 kin, valued at 59,611 yen. During the ten months ended October 31 they were as follows:

	1917	1918	1919
Kin	124,445	151,403	84,869
Yen	761,961	936,349	550,041

Of *crude iodine* 673 kin, valued at 6,362 yen, were exported during October, and the exports for the ten months ended October 31 were:

	1917	1918	1919
Kin	28 348	52,943	16,954
Yen	197,293	334,520	115,639

Potash Permanganate is still very scarce, with practically nothing available below 5*s.* 6*d.* per lb. for P.J. III quality.

Quicksilver.—The demand is once again quite active and prices were advanced 10*s.* on Friday last and again on Tuesday this week, when the market was put on the basis of 23*l.* 10*s.* to 23*l.* 15*s.* per bottle. So long as arrivals continue light, the supplies available are not adequate enough to make for a less stringent market. There is not much Italian offering at present, while freightage is difficult.

Quinine is very firm and in good export demand, but dealers are only able to execute a small proportion of their orders; 5*s.* 3*d.* would be readily paid for sulphate, prices ranging up to 5*s.* 6*d.* per oz.

In their February circular, Howards & Sons, Ltd., intimate that the demand from every part of the world is enormous; they cannot possibly cope with it, and in order to deal fairly with all their old friends have decided to ration everybody, dividing their increased output according to their pre-war consumption.

A New York advice, dated January 28, states that a very heavy demand has set in during the last few days, and as makers are not able to take care of the full demand a premium is being paid in the outside market. Sales have been made at 98c. to $1.00, and buying continues. In its issue of January 28 "Drug and Chemical Market" say: "Supplies are more tightly held by importers and resellers, and the position is considerably stronger than a week ago. The influenza epidemic, which has taken on dangerous proportions in this city, has become a factor in the firmer position. For Java sulphate 90c. is nominal, a premium being paid for spot goods. American makers quote 90c. without offer, restricting orders to regular trade in limited quantities."

Quinine Hydrochloride is firm and selling freely at 6*s.* 6*d.* per oz.

Resorcin has been sold this week at 35*s.* per lb. Imports valued at 137*l.* have been received from France.

Saccharin.—The scarcity of potash permanganate is acutely felt by the British makers, and deliveries are behindhand, while the imports last month were very small. Prices of British make (550 pure) are about 5*s.* higher at from 135*s.* to 140*s.* per lb., duty paid.

Salicylates.—The rising tendency of raw materials and the absence of imports keeps this market very firm, and in some instances English makers quote salicylic acid powder (B.P.) at 3*s.* 9*d.*, with 3*s.* 6*d.* a more general price from dealers. Actual spot delivery is not plentiful,

occasionally a slight premium has to be paid. Sodium cylate powder is also tending upwards at from 4*s.* 4*d.* 4*s.* 6*d.* per lb.

ALOL is steady at from 6*s.* 6*d.* to 6*s.* 9*d.* per lb. on the t. New York reports heavy sales for export.

SENEGA.—In several directions business has been done 12*s.* 6*d.* per lb. on the spot, and 13*s.* is now asked. w York continues to report a very strong market.

SHELLAC.—The spot price since our last report has de- ned about 20*s.* per cwt., usual standard TN quality ering at 840*s.*, and AC cakey is 10*s.* cheaper at 610*s.*, AL being unchanged at 600*s.* Futures have been quiet, th sales of TN for March delivery at 820*s.*; May at 0*s.* to 800*s.* to 775*s.* To arrive, February-March ship- nt has been sold at from 725*s.* to 730*s.* c.i.f.

SODA TART.—One of the English makers announces that til arrears are overtaken their sales are restricted to cwt. to each buyer, for delivery as soon as possible.

SULPHONAL has advanced from 5*s.* to 7*s.* 6*d.* per lb., nporters quoting 55*s.* to 56*s.* Methyl sulphonal (trional) unchanged at from 47*s.* 6*d.* to 50*s.*

TANNIC ACID has been quiet for some time past, with e easier prices of 10*s.* 3*d.* to 10*s.* 6*d.* quoted for *leviss.*

TARTARIC ACID is dearer at from 3*s.* 9*d.* to 3*s.* 10*d.* r lb. The position of English makers is as described st week, and there seems little prospect of adequate pplies for the usual spring demand.

THEOBROMINE.—The pure alkaloid is unchanged at from 0*s.* to 65*s.* per lb., but sodium theobromine salicylate is ather higher at 30*s.* Imports valued at 667*l.* have been eceived from Holland.

TURPENTINE is rather lower on balance, American closing t 200*s.* per cwt. on the spot.

VANILLIN is in upward tendency, and the recent cheaper ellers have higher pretensions, from 80*s.* to 82*s.* 6*d.* per b. being lowest.

VERMILION.—Owing to the further advance in mercury, 'ritish makers of vermilion have raised their prices twice his week, quoting from 6*s.* 10½*d.* to 6*s.* 11*d.* per lb. net, ccording to quantity.

WAX (VEGETABLE).—Japanese is firm, with spot sales t from 98*s.* 6*d.* to 99*s.*, with 100*s.* asked for best brands.

Essential Oils Market.

THE HOME TRADE this week appears to be quiet on the whole, although considerable export business is being done. Sicilian oils (lemon, bergamot, and orange) are lower owing to the increased exchange rates against Italy. Star anise is the turn easier. Bay oil is dearer. Java citronella is in brisk demand at higher prices. Eucalyptus is easier, and gingergrass higher. Other oils which have increased in price are Paraguayan petitgrain, rosemary, and sassafras. Among synthetics the following are higher: Bromstyrol, 100 per cent.; linalyl acetate and heliotropin. Musk ambrette is quoted at a lower price, but is difficult to obtain. The demand for terpineol is much in excess of supplies, and complaints have been made in regard to the quality of certain parcels. French makers have, since the war, endeavoured to cope with orders for a high-grade terpineol, but at present are reported to be booked up to the end of the year. This substance is now also made in Holland, but it is to Germany that manufacturers are turning in the hope of obtaining adequate supplies of good quality. It is impossible, however, to be optimistic on this point, as turpentine (the source of terpineol) presents as much a difficulty to German manufacturers as it does to others.

ANISE, STAR, is the turn easier, with spot sales of "Red Ship" brand at 5*s.* 7½*d.* to 5*s.* 6*d.* per lb.

BAY is quoted higher on the spot at 25*s.* to 28*s.* per lb., and in one direction has sold readily at 28*s.* 6*d.* for finest West Indian. New arrivals from U.S. will probably be higher.

CARAWAY from the distillers is being quoted at 12*s.* to 13*s.* per lb.

CEDARWOOD is quoted at 2*s.* 3*d.* per lb. on the spot.

CITRONELLA.—Considerable demand is reported at higher prices for both varieties. For Ceylon 3*s.* 3*d.* per lb. on the spot is asked. Java oil is difficult to obtain, and spot prices vary from 5*s.* 9*d.* to 6*s.* 3*d.*

CORIANDER.—There are parcels on offer of poor to medium quality at 22*s.* to 24*s.* per oz. Deliveries from Germany are expected in a few months, when it is hoped that prices will be considerably lower.

EUCALYPTUS.—The mild season is responsible for a lowering tendency, and B.P. oils are quoted at from 3*s.* to 3*s.* 4*d.*

FENNEL.—The *Sweet* variety is dearer at from 13*s.* 9*d.* to 14*s.* per lb.

GERANIUM.—A large consignment of *Bourbon*, it is stated, has been lost by fire at sea. The spot prices range from 37*s.* to 40*s.* per lb. *Algerian* is very firm at 40*s.* per lb.

GINGERGRASS is dearer on the spot, about 19*s.* per lb. being quoted for "insoluble."

JASMIN.—For liquid flower oil (natural) 35*s.* per oz. is quoted in one direction, but is difficult to find.

LEMON.—The market is easier, and although American buyers are active the higher exchange rates against Italy has had a weakening effect on the price sterling. A large quantity has been on offer at 8*s.* 6*d.* per lb. on the spot. In another direction 9*s.* c.i.f. London is quoted. A Palermo advice dated February 10 states: The increase in the dollar equivalent caused a sudden and important demand from America for lemon oil and fresh lemons, and encouraged local speculation. The Government took steps to control transactions in foreign exchange, and this had a depressing influence on the rates, which dropped about 10 per cent. This reaction, however, has not been felt as yet on the essential oil market.

LEMONGRASS as offered at the source is said to be scarce, and spot prices for 70 to 75 per cent. citral are quoted about 1*s.* 3*d.* per oz.

MINT.—Japanese dementholised is quiet, with spot sellers at 16*s.* 6*d.* per lb. for Kobayashi-Suzuki.

ORANGE.—*Sicilian* is quoted about 28*s.* 6*d.* per lb. in London, being lower. The price on the spot for *West Indian* has an upward tendency at 30*s.* American buyers are said to have bought up supplies at the source (Jamaica) at about 33*s.* The recent crop is reported of poor quality. A Palermo advice dated February 10 states: Demand has been active; supplies are scarce; local prices have reached their highest limits during the week.

OTTO OF ROSE.—Bulgarian is quoted at 60*s.* per oz., and Anatolian at 55*s.* to 57*s.*

PALMAROSA remains firm at from 22*s.* to 26*s.* per lb. on the spot. Several parcels have been found of doubtful quality recently.

PATCHOULI is easier at from 73*s.* to 80*s.* per lb. French distilled at 80*s.*, and the cheaper qualities from America or Japanese sources.

PEPPERMINT.—For unbranded tin oil 42*s.* 9*d.* per lb. has been quoted f.o.b. New York. A high-grade American branded oil (double distilled water white) is offered at 50*s.* per lb., being steady. For English (Mitcham) inquiries from the Continent are reported, and the price of last season's oil is steady at 126*s.* per lb.

PETITGRAIN is higher at from 22*s.* to 24*s.* per lb. for Paraguayan.

ROSEMARY is firm at 6*s.* per lb. to 6*s.* 6*d.* for forward delivery. Cheap sellers appear to be practically off the market.

SASSAFRAS.—American natural is dearer at 13*s.* per lb.

SPIKE has a firmer tendency; 13*s.* 6*d.* per lb. has been paid for Spanish this week, but 13*s.* 9*d.* to 14*s.* is now asked.

TUBEROSE.—Liquid flower oil is reported to be in demand at 25*s.* per oz. for fair quality, although considerable variation in price is to be recorded, as high as 40*s.* being asked.

The following are quotations for allied products, including synthetics: BENZYL ACETATE varies, according to the percentage, from 10*s.* to 15*s.* per lb. A British firm has quoted a lower price, but with no statement as to quality. BROMSTYROL is dearer at 42*s.* 6*d.* for 100 per cent. GERANIOL, ox citronella, has been quoted so low as 9*s.* 6*d.*, but it is doubtful if supplies could be obtained under 15*s.* HELIOTROPIN is scarce on the spot, and is offering at 32*s.* per lb. for forward delivery. Spot prices are higher at about 34*s.* to 37*s.* LINALYL ACETATE is higher at about 50*s.* per lb. For genuine Tonquin pod MUSK 165*s.* per oz. is quoted. MUSK ARTIFICIAL (Xylol), 100 per cent., is somewhat easier at 45*s.* per lb., and *Ambrette* at 300*s.* per lb. PHENYL ETHYL ALCOHOL is reported to be in good demand at 95*s.* to 100*s.* per lb., which is lower, and PHENYL ACETIC ALDEHYDE at 120*s.* per lb. SAFROL on the spot is quoted at 7*s.* per lb.

Java Cinchona, Quinine, and Coca

A wealth of interesting statistics concerning cinchona, quinine, and coca is contained in the annual report for the year 1919 which we have received from M. P. Brusse, broker, of Amsterdam. In the prefatory note he states that during the past year shipments of cinchona again began to arrive, and since the month of April ships have also brought coca regularly, so that after a long period business in these articles could once more be resumed. "Up to the present it was possible to demand extremely favourable prices for

pharmaceutical barks, and also for coca, and it is to be hoped that the quality of the pharmaceutical barks will show an improvement, of which there is no reason to doubt, as it is probably due to the lengthy storage in the Indies that the barks were often distinctly mouldy. The drawback in the case of coca was that the alkaloidal content, even of good brands, compared with former deliveries, was much too low; in view of the cost of freight, etc., the shipment of packages with a high alkaloidal content is to be recommended. Regarding quinine there is little to discuss, as transactions are not carried out in the open market. May 1920 prove a favourable year to all of us and bring in its train many changes for the better" is the concluding wish.

During the year 1919 the Government plantations shipped 47 bales of bark to Amsterdam, and the privately owned plantations a total of 5,441 bales. The total sales effected amounted to 1,410 bales and 1,301 cases, representing a total of 177,434 kilos. of cinchona, equivalent to 7,131 kilos. of quinine sulphate. Of the officially sold bark, 76,636 kilos. were factory bark, and 90,351 kilos. pharmaceutical bark, representing respectively 4,455 and 2,311 kilos. of quinine sulphate. During the past year the price quoted by the Amsterdam Quinine Factory for quinine sulphate was 65fl. per kilogram for Ed. II., and 76.25fl. for Ed. IV. The price quoted in London per oz. was 2*s*. 11*d*. to 3*s*. in September, rising to 3*s*. 10*d*., and falling to 3*s*. 3*d*. towards the end of the year. The exports of quinine from Java amounted to (in kilos.):

	Kg.
1911	100,601
1912	78,658
1913	70,957
1914	61,113
1915	92,053
1916	114,573
1917	133,508
1918	250,704
1919 (January to October)	489,080

The exports of quinine and of quinine preparations from Germany showed the following figures:

	Kg.
1911	207,000
1912	202,900
1913	205 600
1914	105,800 (Jan. to June)

No exports after June 1914.

With regard to the coca market, a total of 11,732 bales were shipped from Java during the past year, in addition to 8 bales from Peru, which remained unsold. The following were sold by auction: 2,844 bales, representing 157,740 kilos. of coca leaves, with a total alkaloidal content aggregating 2,147 kilos.; the content of alkaloid averaged 1.28 per cent. for the whole year. The following amounts were disposed of otherwise than by auction: 3,342 bales, aggregating 196,429 kilos. of coca, representing a total alkaloidal content of 2,495 kilos. The following table gives the auction transactions in coca:

Year	Bales	Kilos. of Coca	Total Alkaloid Kg.	Average Content %
1919 ...	2,844	157,740	2,147	1.28
1918 ...	—	—	—	1.33
1917 ...	72	5,610	103	1.45
1916 ...	721	40,172	650	1.44
1915 ...	2,108	114,255	1,717	1.52
1914 ...	16,784	903,638	14,918	1.64
1913 ...	16.066	846,255	13,062	1.56
1912 ...	10,759	578,155	9,241	1.61
1911 ...	7,743	412,901	6,517	1.57
1910 ...	3,355	180,491	2,992	1.65
1909 ...	1 907	110,379	1,795	1.63
1908 ...	1,036	57,664	940	1.67

The following amounts of coca were disposed of otherwise than by auction:

Year	Bales	Coca (Kilos.)	Total Alkaloid (Kilos.)
1919	3,342	196,429	2,495
1918	444	23,588	286
1917	5,607	316,302	4.562
1916	4,111	224,699	4,022
1915	5,218	277.165	4,580
1914	1,588	87,674	1,455

Of the total of 157,740 kilos. of coca, with a total alkaloidal content aggregating 2,147 kilos., sold by auction in 1919 by twenty-three different firms, the largest transaction was made by the Koloniale Bank for the Karang Redjo plantation, this deal representing 52,604 kilos. of coca.

Arrivals of Drugs, Chemicals, and Allied Produce.

The following products have arrived at the ports named:

London

(Jan. 19 to Feb. 2).

Alcohol, butyl (U.S.), 59 drms.

Antimony ore (Ch.), 300 cs.

Bartyes, (U.S.) 30 brls., (Holl.) 254 cks., (Sp.) 1,000 sks., (Germ.) 268 pkgs., (Belg.) 895 bgs.

Chemical products, etc.: (Belg.) 84 pkgs., (Hamb.) 30 cs., (Holl.) 20 cs.

Acetanilide (U.S.), 7 brls.

Acetic acid (U.S.), 81 brls.

Argol, (Sic.) 133 cks. 268 bgs., (Port.) 901 bgs., (Fr.) 482 bgs., (It.) 41 cks.

Arsenic, (Fr.) 23 cks., (Germ.) 10 cs., (Jp.) 900 cks.

Barium chlorate (Fr.), 50 brls.

Boric acid (It.), 120 brls. 20 cs.

Bromides: (Germ.), 24 cs.; ammon (N.Y.), 60 cs.; potash (Germ.) 30 cs., (Holl.) 11 cks. 190 cs., (Denm.) 4 cks., (N.Y.) 180 cs.; soda (Holl.), 17 pkgs. 10 cs. (N.Y.), 60 cs.

Calc. cit. (Sic.), 179 cks.

Calc. phosph. (U.S.), 183 cs.

Coumarin (Denm.), 14 cs.

Hexamine (U.S.) 16 kgs. 4 pkgs.

Hydroquinone(N.Y.), 10 cs.

Lactic acid (N.Y.), 8 cs.

Lith. carb. (U.S.), 9 cs.

Magnes. chlor.(Holl.), 63 cks. 80 brls.

Mangan. dioxide (Swe.), 60 bgs.

Methyl sal. (U.S.), 65 cs.

Milk sugar (U.S.), 61 brls.

Oxalic acid (Norw.), 51 cks. 40 kgs.

Pot. chlorate (Swe.), 920 pkgs. 490 kgs.

"Potash" crystals (Jp.), 10 cs.

Potash (R'dam), 149 drms.

Potash salts, (Holl.) 154 cks. 2,605 bgs., (Belg.) 750 bgs., (Germ.) 10 cs.

Saltpetre (Cal.),4,304 bgs.

Soda pruss., (Fr.) 71 cks., (Holl.) 9 cks., (Germ.) 18 cks.

Spirit, wood (St. John, N.B.), 167 drms.

Sulphur (Sic.), 833 bgs. 220 pkgs.

Tannic acid, (N.Y.) 54 brls., (Ost.) 20 pkgs.

Tartar, (Fr.) 272 cks. 1,659 bgs., (Algiers) 53 bls., (Sp.) 132 brls., (It.) 25 cks., (Sic.) 89 bgs.

Tartaric acid, (Port.) 65 pkgs., (Antw.) 13 pkgs., (It.) 30 cks., (Fr.) 241 cks., (Aust.) 57 cks.

Wine lees (Sp.), 1,534 bgs.

Zinc, oxide, (Antw.), 140 brls., (N.Y.) 200 brls.

Zinc white (Fr.), 25 brls.

Drugs, crude, etc.: herbs (Fr.), 64 bls.; leaves, (Fr.) 115 bls., (U.S.) 28 bgs.; roots, (N.Y.) 20 bls., (Autw.) 5 bls., (Fr.) 28 bls., (Hamb.) 7 bgs.; bark (Fr.), 124 bls.

Aloes,Curaçao(N.Y.), 36 cs.

Balsams (P. Colombia), 15 cs.

Belladonna root (Cal.), 176 bgs.

Calumba (B'bay), 1,187 bgs.

Camphor, (Jp.) 30 cs., (Ch.) 315 cs., (Fr.) 21 cs.

Cantharides (Ch.), 12 cs.

Cardamoms (E.I.), 163 cs. 13 bgs. 61 pkgs.

Chaulmoogra oil (N.Y.), 25 cs.

Cinchona (Amst.), 20 bdls.

Coca (Amst.), 100 bgs.

Cod-liver oil (Holl.), 50 cs.

Colchicum (It.), 6 bgs.

Copaiba (N.Y.), 20 cs.

Dragon's blood (P'nang), 15 cs.

Elderberries (Port.), 60 cs.

Ergot (N.Y.), 10 bls.

Galls (Ch.), 182 cs.

Gamboge (S'pore), 13 cs. 262 slabs

Guaiacum (N.Y.), 46 brls.

Henna (P. Said), 500 bgs.

Kamala (Karachi), 17 bgs.

Kola (W.I.), 3 bgs.

Liquorice (block) (Sic.), 100 cs.

Liquorice juice, (Fr.) 45 cs., (It.) 150 cs., (Sic.) 10 cs.

Liquorice root (Sic.), 368 bgs.

Manna (Sic.), 10 bxs.

Myrrh (Aden.), 3 bgs.

Nux vomica, (Ch.), 133 bgs., (Cochin) 252 bgs.

Opium (B'bay), 100 cs.

Orris (Mor.), 47 bgs.

Podophyllin (N.Y.), 20 pkgs.

Rhubarb (S'hai), 121 cs.

Sandalwood oil (B'bay), 249 cs.

Senega (N.Y.), 8 bls.

Senna (Tinn.), 1,603 bls.; (pods) 18 bls.

Squills (Sic.), 47 bgs.

Tamarinds (E.I.), 124 pkgs. 235 cks.

Turmeric, (Cal.) 20 bgs., (Suez) 237 bgs.

Witch-hazel (N.Y.), 14 brls.

Dyes, dyeing and ta ning materials, etc dyes, aniline (Belg 187 pkgs. 34 bgs. brls. 51 cks.; a thracene (Antw.), 1 brls.; chestnut e (Port.), 49 bri cochineal (Canar. I 5 bgs.; cutch,(Hol 20 bls., (R'goon) 6 bxs.; extract, tan ning (N.Y.), 34 pkg indigo (Fr.), 17 cs logwood ext. (U.S 160 bxs. 30 bri myrabolans (E.I 38,231 pocket 28,829 pkgs. 6 bls. 1,463 bgs (extract), 1,050 bgs sumac (Sic.), 6 bgs.

Egg products (Ch. albumen, 497 cs whole, 84 cks.; yol 352 cs. 3,219 cks. 1 pkgs. 305 brls.

Glucose, (U.S.), 3,9 brls.,(Fr) 1,119 pkgs

Gums, resins, etc: n described, (Fr.) 5 bls. 8 cs., (B'bay 226 cs., (Mor.) 85 pkgs. 10 bgs., (Port 89 cs., (Fr.) 247 bgs. copal, (S'pore) 71 cs., (Manila) 31 sks. 783 bgs., (Amst. 299 bskts., (Belg. 736 bgs. 171 bskts. damar (Amst.), 12 cs.; lac: garne (Cal.), 100 bgs. 5 chts. 235 pkgs. shell, (Cal.) 497 bgs 537 pkgs., (Fr.) 53 cs.; olibanum, (Jp. 37 cs., (Ch.) 130 cs. (B'bay) 50 bgs. 2 bls. 50 cs; resin (Fr.) 1,731 cks., (Port.) 71 brls., (U.S. 550 brls.; (liquid (Swe.), 20 cks.

Honey, (Swe.) 1,051 cs., (W.I.) 134 cks.

Hops, (U.S.) 1,869 bls., (Germ.) 2,980 bls., (Fr.) 90 bls., (Belg.) 4.735 bls. 201 pkts. 933 pkgs., (Holl.) 661 bls.

Lead, white (U.S.), 1,344 kgs. 49 cks., (Belg.) 162 brls. 247 pkgs. 119 drms., (Holl.) 22 cks.

Lithopone (Holl.), 469 cks.

Magnesite, (Madras) 9,725 bgs., (Holl.) 100 bgs.

Mercury, (It.) 500 pitchers, (Sp.) 66 flasks.

Mineral white (It.), 100 bgs.

Oils, essential: (Fr.) 33 pkgs., (Sic.) 18 cs. 84 pps. 20 × ½ cs., (Ch.) 300 cs., (Sp.) 7 drms., (Amst.) 12 pkgs., (N.Y.) 16 cs.; anise (Ch.), 300 cs.; citronella (Galle), 20 drms.; eucalyptus (Aust.), 243 cs.; geranium, (Algiers) 18 cs., (Fr.) 4 cs.; lavender (Fr.), 35 drms.; lemon (Sic.), 23 cs.; orange,(Sic.) 22 × ½ cs., (W.I.) 105 pkgs.; peppermint (Fr.), 20 cs; turpentine, (Port.) 1,265 cs., (Swe.) 25 brls.

Index Folio 250

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The New Insurance Dispensing Terms.

SIR,—After carefully reading the official notes on the Insurance dispensing contracts, which I have had to fill up this week, accompanied by forms to hours of business, etc., I must confess that I am in doubt as to some of the conditions under the new tions. There is the statement that the Insurance Committee can formulate a scheme for a late service, but to find any reference to extra remuneration for the In the Reports from Local Centres (*C. & D.*, ary 14, p. 67) I see that Dorset is to get double sing-fees for Sundays and Bank holidays, and by receives an extra 3*s.* an hour for late duty, but stol it was stated that the extra remuneration was er for the Ministry of Health to decide, so it is pre- ly left to the local Committees to make their own rements. If this is so, it would be better to have rite scale of fees for late work applying to all alike, an hour would certainly not cover expenses in many I have also duly noted that I shall supply a suit- container when required, but I get no indication as at I am to do when I cannot obtain a regular supply ttles as at present; and I further see no reference e abolition of "Rep. Mist." This appears in the schedule for medical practitioners, but I should feel comfortable if there had been some instructions to ists on the subject. Yours truly,

IN DUBITATE. (156/2.)

,—"Justitia" seems to be under a misapprehension the powers of Insurance Committees, unless he is ing of Early Closing Orders, which come from er source. No Insurance Committee can make him up; they can insist on his keeping open certain ite hours—an entirely different thing. If titia's" neighbours keep open till eight on Friday ts, he is quite entitled to do the same, and if that he ordinary business hour in his locality his local rance Committee will have no objection to the hours imself will have laid down. The one great advantage he new scheme is that the "reasonable hours" will aried according to the need and custom of the different icts. Yours truly,

bham. W. N. TIMS.

Tim ng Insurance Dispensing.

IR,—The article by Mr. W. H. Harris on timing rance dispensing (*C. & D.*, February 7, p. 75) is note- thy. Mr. Harris proves conclusively (indeed, he ably makes an underestimate of time) that our prices much too low, and until we all view matters in their perspective we cannot hope to raise our status. re are many other time-using factors not mentioned Mr. Harris, such as travellers, illness of employer or ployé, time occupied in deciphering illegible scripts, An important item which chemists almost invariably rlook is depreciation of stock and fittings and dead ck. It has been estimated that only about one-tenth a chemist's stock is stock-in-trade, and that the re- inder eventually reaches the rubbish-heap after accu- lating the dust of ages.—Yours faithfully,

SCOTUS. (62/29.)

Chemists' Retail Price Lists.

SIR,—May I beg space to reply to Messrs. Bevan & ooke (*C. & D.*, February 14, p. 75) as to why I only ow 33 per cent. on sp. menth. pip. in the "Standard" tail Price List, which profit they consider less than pre- r profit, and yet I advertise inviting chemists to sub- scribe to my list to assist them against profiteering prosecutions? This practically answers itself, as I have repeatedly admitted that my rates of profit are in most cases less than pre-war rates of profit, hence a better defence. With regard to my choice of two separate costs for ess. and sp. menth. pip., I can only reiterate what others have already said—namely, that the cost price of sp. was taken so that a higher profit could be obtained when dispensed. I never lose sight of old trade customs, but incorporate them in my systems where possible; it was a usual custom to charge a little higher for drugs when dispensed than when sold over the counter; here was an opportunity of using a higher cost in preference to a higher percentage. Messrs. Bevan & Stooke seem to overlook the fact that the S.R.P.L. was brought out as a trade guide long before profiteering was thought of, it was only incidentally that it became so useful a defence in profiteering cases. So soon as I am convinced that the majority desire and are prepared to charge a higher profit I am ready to fall in with their wishes. Yours faithfully,

132 Abbeyfield Road, Sheffield. CHARLES PHILIP, Philip's "Standard" Retail Price List.

Destruction of Rats.

SIR,—I have read with interest the articles on the destruction of rats which appeared in the recent issues of the *C. & D.* Regarding the relative merits of virus and other preparations for the destruction of rodents, I think it would not be out of place to give your readers my own personal experience in the use of the many known preparations. For a period of ten years I have had occasion to make a series of efforts to rid three different premises of rats which caused much damage to stock, and in one case, according to my own opinion, led to an outbreak of some undefinable fever among the entire family occupying one of the premises. I have used almost all the well-known poisons (proprietary and otherwise, red squill excepted), and I am in a position to state that only one article—viz., Liverpool Virus—ridded the three premises of rodents. In one case, that of a branch shop where great havoc was wrought by rats, Liverpool Virus—the only virus I have tried—effectively removed all traces of rodents; and, what is more, a police-station which adjoins the shop benefited by my laying down the virus, as the officer in charge informs me that no sign of a rat is evident on the barrack premises now. To my mind, virus used intelligently is the safest method to employ for the destruction of rodents, and as a result of my personal trials I intend recommending virus to all my customers in future. Yours, etc.,

Westport. J. J. CONNOLLY, Ph.C.

More Burdens.

SIR,—I think the best way for chemists to deal with the 1½ per cent. surcharge on proprietaries will be to let the wholesalers have it for a time, but give them no orders for sundries or drugs. It will be found that with a little care in buying most sundries can be bought better from firms who handle sundries only. Nothing irritates me more than to have this unfair charge flouted in my face every day when I check the invoice for proprietaries, when the wholesalers know I cannot pass it on to the customer. I believe my method, if adopted, would quickly make the wholesalers change their mind—anyway, I am going to try it. Yours truly,

Maida Hill, W. W. G. BURGE.

SIR,—The experience of "Burdened One" and "Indignant Retailer" (*C. & D.*, February 14, p. 74), who were practically informed that they had to pay the surcharge for the carriage from manufacturer to wholesaler, shows how far-fetched the excuses are for increasing the charges to the retailer. If you buy a minimum quantity direct from the maker, in all cases the carriage is paid home, this being one of the inducements to buy a 10*l.* or 20*l.* lot; in some cases packages are free, in most they are returnable, and one or two firms will refund the amount of carriage paid on returned empties. If this is so with retail parcels it is more applicable to wholesale quantities, while, in the case of London firms, there is no packing required, goods being delivered at the sundries

house per van. The old friendly spirit between wholesaler and retailer has completely gone; on looking through recent invoices I see that I have been charged up with every possible addition that could be thought of. Orders are sent out in driblets, cases and carriage being charged on each lot, when they might be dispatched entire; and even when I have had to point out errors I have been charged carriage or postage for replacement. Truly business is business nowadays.

Yours faithfully,

Overcharged. (188/17.)

Sir,—I have perused with interest your correspondent's letters under this heading in your last issue. I consider the surcharge of 1½ per cent. on all patent and proprietary goods is a most unjust action of the wholesalers, and I cannot understand how the Proprietary Articles Trade Association can countenance it. This class of goods, due to the varying demand and new preparations being continually placed on the market, are such that the retailer cannot well regulate his stock, and he has to make up very frequent orders. I have a contract with Sutton's for all my small parcels (under 14 lb. weight), and I myself pay their freight charges, which are now 100 per cent. higher than pre-war times. Under these conditions, I pointed out to my wholesale houses that I did not think they were entitled to add the 1½ per cent. to invoices of goods upon which I paid freight. They coolly reply, "This is not added for our carriage to you, but for the carriage to us, *plus* the extra on cost of wages, which is very great, as you no doubt know." To put it simply, they make their customers share this burden with them, which, in consideration of the retailers' very small margin of profit on many patents, is unfair. I do hope the trade all over the country will take up this matter with a view to arriving at some satisfactory understanding. Yours truly,

Sub Umbra Floresco. (91/7.)

Homœopathy.

Sir,—"Xrayser II." (*C. & D.*, February 14, p. 61) is quite in error in saying we appear to admit that homœopathy has not materially advanced in this country during the last fifty years, and he expresses his own opinion that it has declined in public favour, but his arguments in support of that opinion are illogical and unfair. His contention seems to be that we should prove that there are more qualified medical men openly and avowedly practising according to the doctrines of Hahnemann, in order to show that the system of homœopathy has advanced, whereas he states that the colossal increase of such qualified men in America is quite fallacious as an argument in support of our contention. How he reconciles these two statements we are at a loss to understand, as they are quite contradictory. He further states "the argument might as well be put forward that the spread of the patent-medicine cult proves that self-medication is superseding professional treatment"; but there again his logic is utterly at fault, else, why the necessity for the great increase of homœopathic practitioners? unless it is to remedy the evils produced by the said self-medication. "Xrayser II." surely does not wish to imply that? Reference is made to the extra education through which a homœopathic practitioner would have to go, and then he says it would not take an allopath long to master the homœopathic Pharmacopœia; but it is implied that he would then be an accredited homœopath? No, sir, to be a good and faithful homœopathic practitioner he must study, in addition to the principles and practice of homœopathy, drug pathogenesy, or the pathogenetic effects of drugs, in order to gain the knowledge necessary for the proper administration of them to the best advantage in relieving sickness. To give "Xrayser II." some idea of what this means, he should dive into such works as Hughes' "Principles and Practice of Homœopathy," Hughes' "Pharmacodynamics," Clarke's "Dictionary of Materia Medica," and Hughes' "Cyclopædia of Drug Pathogenesy," all of which it will be our pleasure to loan him if he so desires. We are not conversant with present-day allopathic or orthodox medical works, but if they are in advance, or even abreast, of those of the homœopathic school, the authors are justly entitled to be proud of them. Regarding the statement that the mand for homœopathic medicines in "our own sh (by which we expect retail chemists' shops are mean certainly much less than it used to be, we agree th may be so, though we fear the chemists themselves practically if not wholly to blame in allowing that der to pass into other hands, such as large stores and dea another very important factor in this case is the estab ment of homœopathic dispensaries all over the king where the medicines are dispensed free. There are s in the London district alone—we do not think there six fifty years ago. Exception is taken by "Xra II." to our statement that certain remedies were "i duced" by homœopathy. We quite agree that they have been known to exist long before Hahnemann's t but no definite or exact knowledge (beyond that of Mrs. Grundy fashion) of their medicinal virtue obtained, until homœopathy put them to the test. elaborate accounts of their effects on the different or of the body will be found in the books we have tioned. With the concluding portion of "Xrayser II comment we are in entire accord—viz., that homœopa *per se*, has done immense good in helping to reduce allopathic or orthodox system of medication fron heroic and sometimes barbarous process to one of sim gentler, and much more satisfactory conditions.

Yours faithfully,

Leath & Ros

Sir,—As an old chemist and druggist formerly in b ness for himself, and now for years past practising homœopath, the letters of Messrs. Leath & Ross "Xrayser II.'s" remarks on homœopathy have been ticularly interesting. Now, as regards the small num of medical men who definitely call themselves homœop and practise homœopathy exclusively, many I give wh consider to be really the reason for that state of affa And it is the answer that I gave to a patient a short t ago. A young man who has decided to go in for medi stays at school practically until he is eighteen years age, for he has to pass a fairly stiff Preliminary exami tion. That means that up to that age he has b mentally "spoon-fed," studying only what he is told study. Then he goes to college, where he is "spoon-fe for another five or six years, for there is so much gro to cover that, if he is a wise man, he studies only w he is told to study; and further, what is most import from an examination point of view, he imbibes the med or surgical views of his teacher. For if he is going take the degree of the University at which he is studyi that teacher is going to be one of his examiners. T at twenty-four years of age he gets "qualified," "spo fed" all his life till then. Now he finds there is an aw word called "orthodox." He finds that by practis the orthodox system of medicine he can make a dec living without much difficulty, and besides, even if has heard of homœopathy, the very great odds are t he knows absolutely nothing about it. So, unless he an unusual amount of the bump of inquiry and is afraid of the word "orthodox," he is content to swim w the stream. Another stumbling-block is: How do the treme dilutions of drugs act? Whatever the explanat may be (I have one which satisfies me, at all events), fact remains that they do act. Personally, I use both and high dilutions, my choice of the same depending the drug and on the patient, the latter factor being very important one. There is one good point abo homœopathy, and it is that once a patient has benefit from the treatment, he or she never willingly reverts the allopathic form of treatment. I could write mu more on the subject, but I am afraid this letter is alrea too long. I shall, however, be very pleased to put r experience at the service of any chemist.

Yours faithfully,

Medicus. (190/18.)

The Coming Council Election.

Sir,—Permit me a word. Will Mr. Hugo Wolff speci precisely what "things" a "large number of pharm cists" are "out to get done"?

Yours faithfully,

Blackburn. R. Lord Gifford.

Legal Queries.

C. T. (15/20).—The sale of veterinary preparations side the Medicine Stamp Act, but not if the pre- ons, as sometimes happens in the case of a liniment, commended also for human use.

B. (180/20).—An entire drug can be recommended et be sold unstamped and without a licence if the is a chemist. General shopkeepers selling such a ly require a medicine licence.

B. (188/64).—The question you put regarding the f a title is too vague for a definite answer to be given. e are common-law rights in a name apart from those red under the Trade Marks Acts, but you could not the exclusive rights in the use of a name which become public property.

lol (170/60) asks if it is necessary for him to obtain ission to use ordinary methylated spirit for making washes. [Yes. Application for permission should be e to the Board of Customs and Excise through their surveyor. The application should state the situa- of the premises, the particular purpose for which spirit is to be used, the kind of spirit to be used, the quantity likely to be used annually.]

S. (185/37) recently sent some goods to a customer parcel post. The parcel has not been delivered, and S." asks whether he has any claim against the postal orities.—[The Post Office is not under any legal ility to pay compensation in respect of the lost parcel, will probably decline to compensate "G. S.," even matter of grace, unless he obtained a certificate of ing when the parcel was posted.]

. P. (4/37) is managing the business of a chemist died about three months ago. He has received from stomer a claim for the return of a throat spray which asserts she left with the deceased for repairs. No e of the spray can be found. Can this claim be rced? [It is open to the customer to take proceed- against the personal representatives of the deceased mist, out of whose estate any damages awarded to customer would be paid.]

Knowledge. (155/33).—The title "chemist and drug- t" may only be used by registered persons in Great tain and Ireland. The title "druggist," when used in nection with a retail business, may only be employed persons on the Register of Chemists and Druggists Great Britain) or on the Register of Druggists land). Registration can only be effected by passing e examinations carried on by the Pharmaceutical Society Great Britain and the Pharmaceutical Society of eland.

G. A. B. (188/44).—The Sunday Observance Act, 1677, rbids any person exercising his business on the Lord's y (works of necessity and charity excepted). The sale medicine by chemists and druggists is regarded as a rk of necessity. It has not been stated authoritatively hether the Early Closing of Shops Order, made under e Defence of the Realm Act, applies to Sunday; but if did, the sale of medicine or medical or surgical appli- ces is exempted from the operations of the Order. The op must only be kept lighted for such time as is ecessary for serving the customer.

Eskumoffit (135/54).—THE TITLE "DRUGGIST" IN RELAND.—There is no specific prohibition of the use by harmaceutical chemists in Ireland of the title "drug- ist," and, so far as we are aware, the legality has never een tested in the Courts. We should think the higher itle "pharmaceutical chemist" might be held to include he right to use the lower title. This is the case in Great Britain, where a pharmaceutical chemist must have become chemist and druggist before he can enter for the higher xamination. The title "registered druggist" in Ireland s, however, definitely restricted to those who are regis- ered as such.

R. H. B. (161/67).—Permission to use industrial spirit in hair-washes is given, provided that the formula contains suitable denaturants. You will find in the *C. & D.*, January 17, p. 75, a note regarding the kind of denaturants that the Board of Customs and Excise require. Definite sanction must be obtained for each formula, which has to be submitted to the Board for approval. This applies also to the manufacture of varnishes, etc., although there is not the same reason why industrial spirit should be employed in place of methylated spirit.

F. R. D. (183/30) asks whether an action in the County Court against a railway company for the full value of empty hampers lost in transit is likely to succeed in the following case: The company admits the loss of the hampers, and offers to pay in settlement the original cost of the hampers, less a deduction of one-third for "depreciation and wear and tear." [The damages awarded by the Court would be the actual value of the lost hampers, which is a question of fact upon which it is impossible for us to express an opinion. Obviously, if the hampers were old, "F. R. D." could not expect to recover as large an amount as if they were new.]

J. R. W. (167/63) is apprenticed to a private limited company. His term of four years is nearing completion, and he asks who should endorse the indentures with the usual statement that he has duly served his term. The directors are the original proprietor of the business, who is unqualified, and a qualified chemist, who takes no part in the conduct of the business. In addition, a qualified man acts as manager of the business; but there have been several managers during the period of the apprenticeship. [We consider that one or both of the directors should endorse the indentures on behalf of the company. If only one signs, we suggest that the chemist should do so.]

J. H. S. (26/6) wishes to know what, if any, income-tax is payable by him, and how and where he can get the form for making return of his income. He has a salary of 3*l.* 10*s.* a week, and his only other income is 2*l.* a year from money in the Post Office Savings Bank. He has a wife who has no separate income and no children. ["J. H. S.'s" total income is 184*l.* a year, from which for income-tax purposes he is entitled to the abatement of 120*l.* and the allowance of 50*l.* in respect of his wife. That would leave 14*l.* assessable to income-tax, upon which the tax is chargeable at the rate of 2*s.* 3*d.* in the £ on 12*l.* and 3*s.* in the £ on 2*l.* The tax to be paid will thus be 1*l.* 13*s.* A form for making return can be obtained on application to the local Surveyor of Taxes for the district.]

G. P. (178/67) wishes to be informed as to the procedure necessary to obtain confirmation at Quarter Sessions of a Justices' wine-licence. He especially wants to know what notices have to be given, and when and to whom and how, at what period of the Sessions licences are dealt with, and any other information likely to assist him in case he should have to appear personally. [The application for the grant of the new licence cannot be heard until twenty-one days at least since the date when the licence was granted. Only a person who appeared before the Justices and objected to the grant of the licence is allowed to object to the confirmation; but a person entitled to object need not give notice of his intention to object. Any evidence Quarter Sessions hear on an objection must be on oath, and they may award costs to the party who succeeds where an objection is made. The grounds of objection are the same as before the Justices, such as too many licensed houses in the neighbourhood, value of the premises too low, applicant's character unsuitable, or the like. Applicant should, therefore, be prepared, if objection is raised, to meet it in respect of any of these points. No notices are required to be given in connection with the application to confirm the grant of a new licence, and the applicant himself may appear personally, or may be represented by counsel. The order in which licensing business is taken is at the discretion of the Court.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

F. W. B. (45/39).—Headache Application.—The following is the formula for which you inquire:

Eau de Cologne	28 parts
Soap base	1 part
Menthol	5 to 15 per cent.

Vet. (8/10).—Ammoniated Alcohol is alcohol into which ammonia gas has been passed. It is the counterpart of aqueous solution of ammonia.

Novocaine (185/67).—There is no such thing as a "registered Insurance dispenser," unless you mean a chemist who contracts with Insurance Committees to dispense Insurance prescriptions.

J. R. (183/48).—Sal Aeratus is either potassium or sodium bicarbonate.

A. W. P. (172/48).—We do not know of any book specially devoted to the treatment of ulcerated legs.

D. C. P. (176/63).—Books on Optics.—"The Optician's Handbook" ("The Optician," Fleet Street, London, E.C.); Laurance's "General and Practical Optics," and "Visual Optics and Sight-testing."

G. W. K. (180/41).—(1) Laxative Cold Tablets.—

Acetanilid.	ʒj.
Camphor.	gr. xv.
Pulv. capsici	ʒss.
Pulv. ipecac.	gr. xv.
Quin. hydrobrom.	ʒij.
Ext. cascar. sag.	ʒss.

Misce et divide in tab. 120.

(2) Lung Tonic.—

Coltsfoot,		
Horehound,		
Linseed	aa.	1 oz.
Liquorice	...	2 oz.
Chloroform	...	1 oz.
Ether	...	90 m.
Anise oil	...	90 m.
Peppermint oil		6 m.
Oxymel of squills		64 oz.
Syrup of tolu		32 oz.
Tincture of capsicum ...		180 m.
Treacle		64 oz.
Water		2 pints.

Mix.

B. T. W. (168/66).—Armenian Bole.—We have come across a statement that Armenian bole used for colouring sausages has been found to contain as much as 0.8 grain of arsenious acid per lb. As bole is often a factitious compound and varies in the amount of iron oxide it contains, it is hardly possible to generalise from the statement we quote. We believe, moreover, that arsenic free Armenian bole is readily obtainable for sausage and anchovy sauce colouring.

A. K. (167/69).—Chocolate Colouring Powder.—This consists apparently of two dyes, one a yellow, similar to Orange I., and the other of the character of bismarck brown. We have not, however, been able to establish exactly the identity of the dyes that are present.

L. Ltd. (184/37).—Wood's "Tablet Making," published by Lippincott, is a standard work on the manufacture of compressed tablets. There is no similar book dealing with the manufacture of pills.

S. S. (183/13).—The use of tooth-powders in cases of pyorrhœa is not generally recommended, the preference being for pastes and liquid dentifrices. The medicaments most in favour are thymol, ipecacuanha, and liquor arsenicalis. The pastes are also used for massaging the gums.

S. G. T. (163/36).—Powder for Gas Mantles.—' powder you send, which is to be applied to gas man with the object of increasing the light, hardening fabric, and lengthening the life of the mantle, cons essentially of calcium and magnesium carbonates. contains traces of iron and silica, and is probably s natural earth finely powdered. There is also a t of perfume present.

W. R. (177/11).—Fixing Tube Teeth to Gold Pl —A dental chemist of long experience informs us t he always fixes tube teeth to gold dental plates by sol ing with ordinary roll sulphur if the plate is removal It can only go wrong if the plate does not fit or bite is not correct. If it is a fixed bridge in the mo the best cement is Smith's copper cement, obtainable any dental depôt.

Sigma (167/53).—Sensitive Dentine.—The simp way to desensitise dentine is to rub a caustic point rou the neck of the tooth or use a solution of silver nitra taking care in either case not to apply the caustic to gums. The application of a saturated solution of sodi bicarbonate in glycerin, or painting with tincture iodine, are other methods of attaining the same result.

W. J. (173/38).—Action of Iodine on Starch.—T phenomena exhibited by iodide of starch were the s ject of a paper by Duclaux some years ago. It was th mentioned that the formation of iodide of starch in s tion depends essentially upon three conditions: (1) On quantity of starch present; (2) on the amount of iodi and (3) on the water used. Duclaux tested the matt by employing a standard weight of starch in differ quantities of water and adding sufficient iodine to p duce the blue colour. He found that if 800 c.c. of wa was used, instead of 50 c.c., it required 4 c.c. of iodi solution—*i.e.*, no blue colour was obtained until t quantity of iodine solution had been added. If t starch solution were diluted to 3,200 c.c., it took 23.4 c of iodine solution before a blue colour was show Meineke has also pointed out that if aqueous solution iodine (free of hydriodic acid) were added to star solution until a yellow colour was produced, the smalle quantity of potassium iodide developed a blue colou Other substances were shown to have a similar effect developing the colour, and it was concluded that neith hydriodic acid nor potassium iodide were needed for t test. This point, however, has been disputed by oth writers. Many analysts find it unnecessary to use star in titrating iodine as the tint of the iodine in a goo light can readily be seen to disappear.

Retrospect of Fifty Years Ago

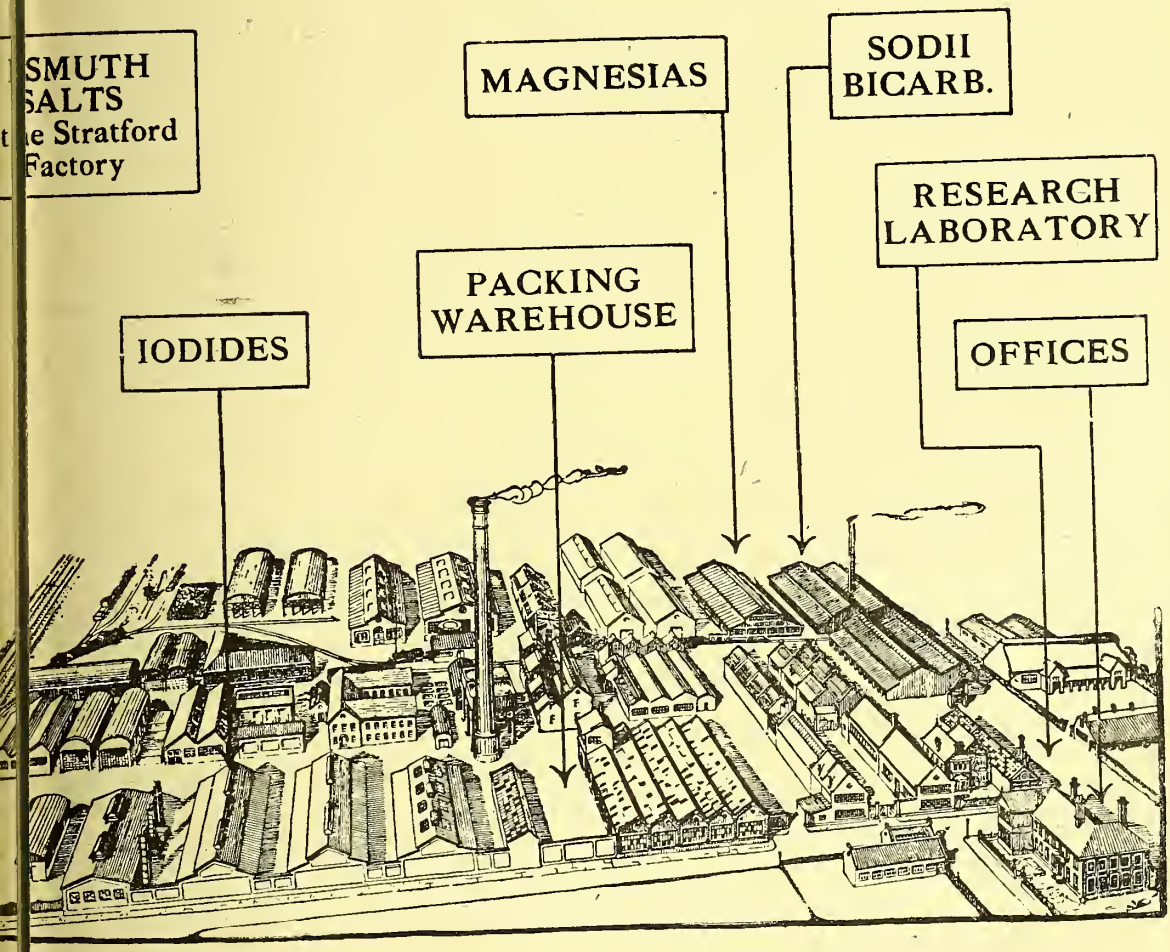
Reprinted from "The Chemist and Druggist," Feb 15, 187

Meteorology.

The columns of "The Times" have lately been opene to an instructive correspondence between Profesor Attfiel of the Pharmaceutical Society, and Mr. G. J. Symons, th energetic "clerk of the weather," who has done so muc to promote the systematic observation of British rainfal The latter, in pointing out a blunder in the recorded tem perature of the Crystal Palace, finds fault with the expre sion "degrees of frost," which is often applied to temper tures below the freezing-point of water. Dr. Attfield defend the phrase, and recommends meteorologists to change thei thermometric scale to the more scientific centigrade scal according to which "degrees of frost" and "degrees belo zero" would be equivalent phrases. Mr. Symons, in reply asserts that the short degrees of Fahrenheit's scale are bette adapted for meteorological purposes than the longer centi grade degrees, and gives a table of recorded temperature according to both scales, showing that decimal fraction must be extensively used in the centigrade equivalents o Fahrenheit's degrees. Dr. Attfield sees through his oppo nent's feint, and exhibits his own skill of fence by a few telling thrusts. He reminds Mr. Symons that meteorology is not neglected in countries where the centigrade scale is employed, and that the general adoption of this scale, while tending to the avoidance of errors of calculation, would bring British and foreign observations into direct accordance.

HOWARDS' EXTENSIONS

Completed or under construction, February 1920.



The arrows indicate where the buildings and plant are being placed.

Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is warranted to contain upwards of

99·5 PER CENT.

of pure oxide; in fact the impurities are not traceable.

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Ayrton, Saunders & Co. (Lim.)
Baiss Bros. & Company [(Lim.)
Bell, Jno., & Co. [(Lim.)
Bleasdale (Lim.) [(Lim.)
Boots' Pure Drug Co.
British DrugHouses(Lim.)
Burgoyne,Burbidges & Co.
Butler & Crispe [(Lim.)
Clay, Dod & Co.
Cockburn & Co. (Lim.)
Corbyn, Stacey & Co.
Dakin Brothers. [(Lim.)
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Evans Sons Lescher & Webb (Lim.)
Ferris & Co.
Gale & Co.
Glasgow Apothecaries' Co.
Glasgow New Apothecaries' Co.
Goodall, Backhouse & Co.
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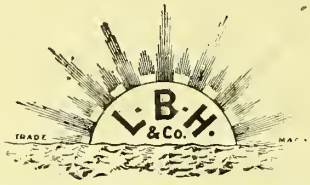

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Sacch. Alb. ... } q. s.
Ol. Menth. Pip ... }

FOR THE

Throat and Voice

ANTISEPTIC & SOOTHING.

DOSE.—One to be dissolved in the mouth occasionally.

6/10 per doz.

COMPRESSED TABLETS OF

Aspirin.

5 grs.

Bottles of 25 ... ... **4/3** per doz.
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Per 1000 ... ... **8/-**

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Per 1000 ... ... **16/-**

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Saccharin.

⅓ gr.—550,
Perfectly Soluble.

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Per lb. **51/-**

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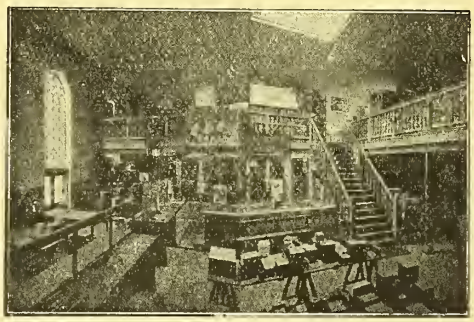

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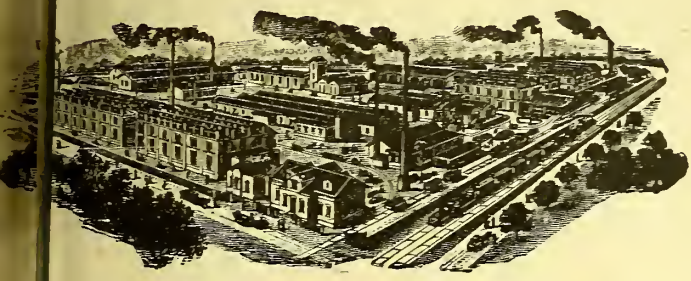

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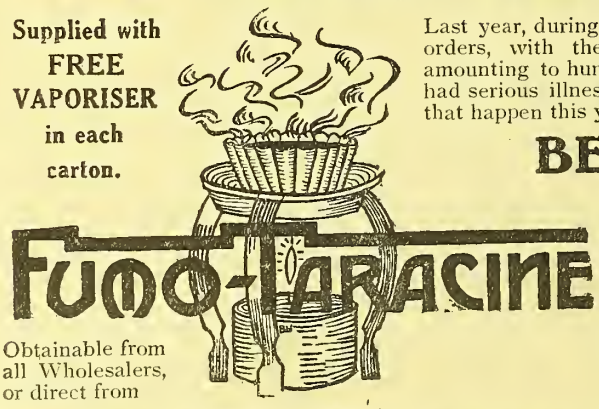

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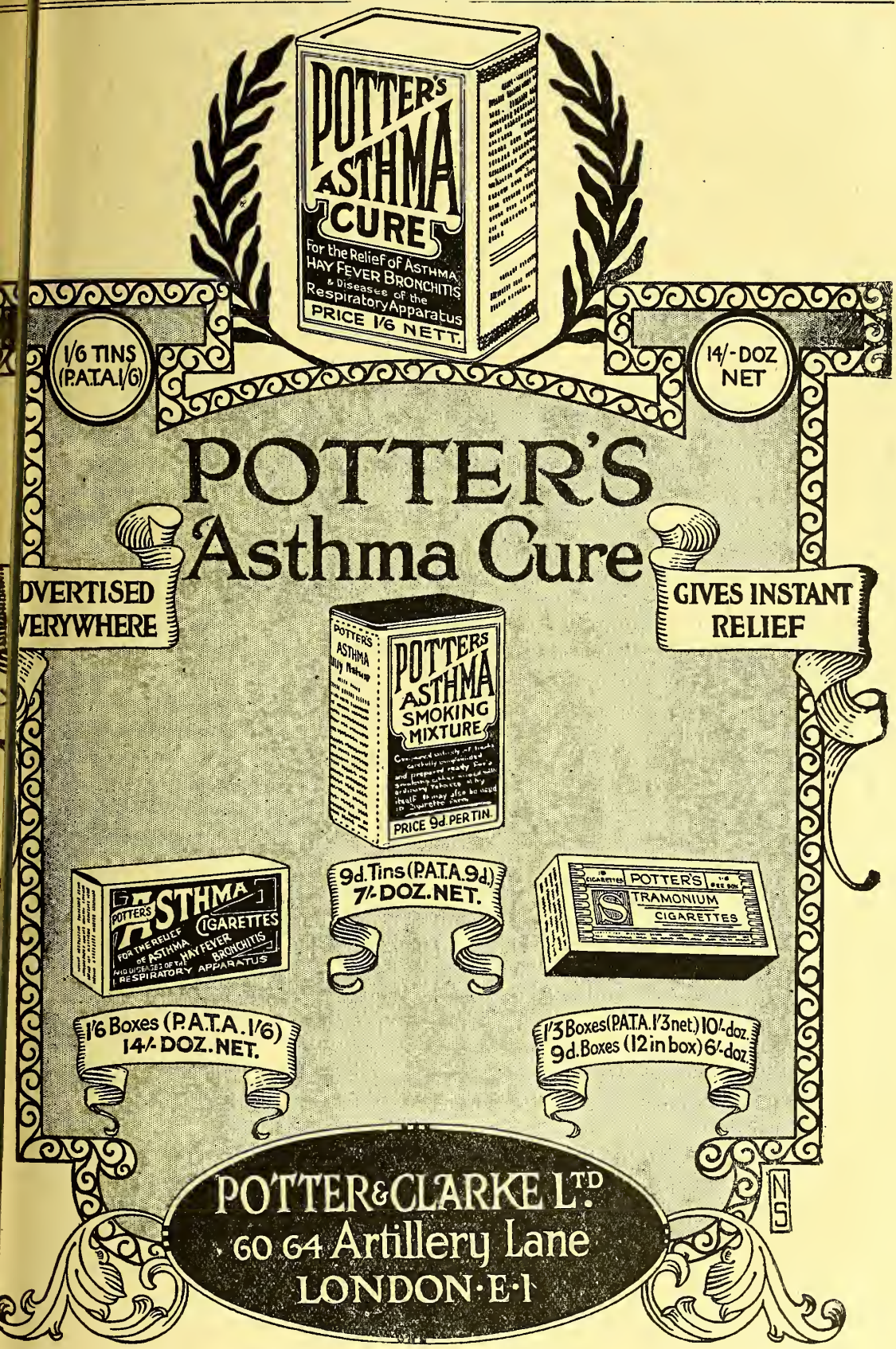

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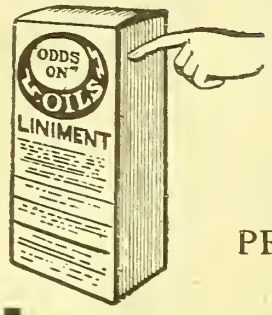

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IGLODINE is an antiseptic and pure drug of known chemical composition. It is claimed that IGLODINE has varied uses medicinally—both external and internal, although IGLODINE does not pretend to be a panacea for *all* ills. That claim is verified by the opinions of numerous medical men, many of whom have *proved* the true worth of IGLODINE—their testimonials are expressions of their appreciation.

Iglodine

THE IGLODINE CO., LTD., Manor Chare Works, Pilgrim Street NEWCASTLE-ON-TYNE

IGLODINE is being adv tised. The unfailing eff tiveness of its action is goi to make trial purchasers in IGLODINE enthusiast Every chemist should i prepared to supply IGL DINE—a dependable ant septic, quick-selling an profitable.
IGLODINE Specialities i clude Ointment, Cream, Em brocation, Pastilles and Su positories. *Fullest particula and terms on application.*

Packed in Cartons and Retailed in 9d., 1/3 and 3/- bottles.

ÉTABLISSEMENTS CHATELAIN,

2 & 2 bis RUE DE VALENCIENNES, PARIS.

Sole Manufacturers of

JUBOL

RE-EDUCATION OF THE INTESTINE.

Constipation, Enteritis, Hæmorrhoids, Indigestion, Skin Blemishes, &c.

Price 5/- per box.

GLOBÉOL

POWERFUL BLOOD TONIC.

Anæmia, Nervous Exhaustion, General Debility, Tuberculosis Convalescence, etc.

Price 5/- per bottle.

PAGÉOL

POWERFUL URINARY ANTISEPTIC.

Cystitis, Prostatitis, Catarrh of the Bladder, Renal Tuberculosis, etc. etc.

Price 5/- and 11/- per box.

JUBOLITOIRES

SCIENTIFIC SUPPOSITORIES

r Hæmorrhoids, Rectitis, Anal Fistula, etc. nti-hæmorrhagic, Sedative, De-congesting.

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URODONAL

POWERFUL URIC ACID SOLVENT.

Rheumatism, Gout, Arterio-sclerosis, Stones, Gravel, Sciatica, Neuralgia and all Uric Acid disorders.

Price 5/- and 12/- per bottle.

VAMIANINE

New Scientific Preparation for Chronic Skin Affections, Psoriasis, Eczema, Acne, etc.

Price 11/- per bottle.

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SCIENTIFIC PREPARATION OF LACTIC FERMENTS.

Indicated in Intestinal Disorders, ysentery, Diarrhœa, Dyspepsia, Enteritis, Typhoid, Skin Eruptions, etc., etc.

Price 5/- per bottle.

FANDORINE

Metrorrhagia, Dysmenorrhœa and Lactation, Pains, etc. etc.

Price 5/- and 11/- per bottle.

GYRALDOSE.

Antiseptic for local Gynæcological use.

Price 4/- per box (powder)
" 5/- " (tablets)

FILUDINE

SPECIFIC FOR THE LIVER.

Malaria, Diabetes, Cirrhosis, Sluggish Liver, Tuberculosis, etc.

Price 11/- per bottle.

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BRITISH AND COLONIAL AGENTS—

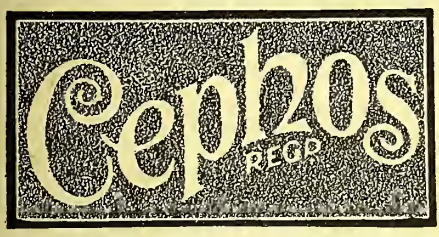
Pharmacists & Foreign Chemists, 164 Piccadilly, LONDON, W. 1.

Telegrams: "URODONAL LONDON." Telephone: Regent 192.

AUSTRALIAN AGENT: Mr. BASIL KING, Malcolm Buildings, Sydney, N.S.W

INDIA (SUB-AGENTS): G. ATHERTON & CO., 8 Clive Street, Calcutta.

Stocked by all Wholesalers. *Now being largely advertised.*



For NEURALGIA, HEADACHE, RHEUMATISM and INFLUENZA.

Write for wholesale terms to

CEPHOS LTD., Blackburn, Lancs.

EUCALYPTOL (CINEOL)

B.P. STANDARD

PEPPERMINT-KETONE

AND ALL GRADES OF EUCALYPTUS OILS.

Large stocks always on hand.

We are prepared to quote C.I.F. by Cable or ex London stocks when available.

GILLARD GORDON, LTD.

SYDNEY, AUSTRALIA.

Largest Actual Distillers of Eucalyptus Oil in Australia.

Cable Address: "GUMLYPTA SYDNEY."

MACHON'S COMFORTINE

has for Forty Years been the Best & Safest Infants' Preservative.

COMFORTINE contains no Opiates or Dangerous Drugs whatever.

During teething it is a real Baby's friend.

PREPARED BY

Machon's Comfortine Ltd.

Coalville, LEICESTER.

Fixed Minimum Price: **1/3** PER BOTTLE.

THE Chemist who is wise will not be deluded by increased takings. It is most important to examine closely into the much more important item of PROFITS. Such examination will demonstrate the wisdom of pushing for more sales of a well-advertised line like SANAGEN—**with its 50% Profit on Cost —and on a Sales Repeater like SANAGEN.**

GOLD MEDAL AT INTERNATIONAL MEDICAL CONGRESS, LONDON.

Sanagen

NERVE FOOD Trade Mark Regd.

SIZES AND PRICES

2-oz. **2/-**	4-oz. **3/-**	8-oz. **5/-**	16-oz. **9/6**

OF ALL WHOLESALE HOUSES AT 33⅓% DISCOUNT

SANAGEN CO., LTD.

SHEEPCOTE LANE, BATTERSEA - LONDON, S.W.11

TELEPHONE: VICTORIA 2031

WRIGLEY'S 3 Profit-Makers

HERE is one of those sweet little "Side-lines" that bring people again and again to your counter—where, of course, they buy other things too. Every Packet of WRIGLEY'S is the "entering wedge" for more and more Sales and Profits.

RETAIL 3D. PER PACKET

RETAIL 3D. PER PACKET

WRIGLEY'S
CHEWING GUM

MILLIONS of Packets of WRIGLEY'S were eagerly bought up by our millions of Sailors, Soldiers and Flying Men while on active service. See how these men—now back in civil life—will snap up WRIGLEY'S 3 when they see them in your window and on your counter. They are easy to stock and sell. Each Packet is packed hygienically. See how they'll "go" when displayed on your counter. You need no other Chewing Gum if you have WRIGLEY'S 3.

STOCKED & SUPPLIED BY ALL WHOLESALERS.

WRIGLEY'S LTD., 235 Westminster Bridge Road, LONDON, S.E.1.

Medicinal
non-freezing

COD LIVER OIL

FROM STOCK.

K. MALMBERG,

110 Cannon Street, LONDON, E.C. 4.

AND AT NEW YORK

Telegraphic Address: "Obtempero, Cannon, London."

Telephone No. City 6321.

Extract of Malt

and

Cod Liver Oil

IN BULK, JARS OR TINS.

Prices on application.

THE

BRITISH DIAMALT CO.

BISHOP'S STORTFORD.

Proprietors { H. A. & D. D. TAYLOR
H. D. & C. T. TAYLOR

MALT & COD LIVER OIL

Prepared only from the finest East-Coast Barley, Combined with the best Norwegian Non-Freezing Cod Liver Oil.

Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lbs. Neatly Labelled and Wrapped. Customer's Name printed on Labels for Orders of 1 gross and upwards.

TELEPHONES: Nitshill—Pollokshaws 14 London—Avenue 5661 (3 lines).

PERRY & HOPE, Ltd.

TELEGRAMS: "Perryope, Nitshill." "Perryope, Ltd, London."

NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

1919/20 Jensen's 1919/20

Ice-refined, New Season's

NORWEGIAN COD LIVER OIL

DELIVERY EX STOCK, LONDON OR HULL

Samples and Prices:

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9 MINCING LANE, E.C. 3.

Agent for Scotland:
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Glasgow.

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Mr. JOSEPH M. MAIBEN,
11 Westland Row,
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BISHOP'S
Natural Fruit Saline.

THE BEST SELLER.

This preparation, our latest Saline, made by our special process, without **Sugar** or **Saccharine,** is a unique Saline. It is strongly effervescent and delightfully palatable, making a bright, refreshing draught which acts as a mild but very thorough aperient, anti-acid and liver stimulant.

Bishop's Natural Fruit Saline is taken regularly with pleasure and safety by men, women and children all the year round. This steady demand makes it a profitable winter line. It keeps perfectly in all climates.

The Wholesale price is **20**/- per doz. On £5 lots, discount **10**%, and carriage paid.

The P.A.T.A. Retail Price is **2**/**3** per bottle.

This ensures a profit of **9d.** per bottle to the chemist.

Prepared only by

ALFRED BISHOP, LIMITED, 48 Spelman Street, LONDON, E. 1.

IT PAYS YOU TO SELL

HEADLIVER SALT

The Super-Health Salt. Biggest Value. Smartest Tin on Market.
Fine Display Cards—Forceful Press Advertising. On the P.A.T.A. List.

We are now booking orders for Spring delivery. Early application is advisable in view of general shortage.

THE HEADLIVER SALT CO., Ltd., CONWAY.

Telegrams: "Headliver Conway." Phone: 53.

Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

IMPORTANT NOTE TO CHEMISTS WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" *without* a licence.

SCIENTIA B&B Co DILIGENTIA

BURGOYNE'S
UNIVERSAL
FRUIT SALINE

Is a Preparation of Proved Value. Packed in a Manner that Appeals to the Public

IDEAL FOR WINDOW DISPLAY

M. P. R. **2/3**
SHOWING at LEAST
50% PROFIT

SHOWCARDS SUPPLIED.

WINDOW SHOWS ARRANGED

Book NOW for Spring Delivery. Write for our Counter-Requisite List.

Burgoyne, Burbidges & Co., Limited.
EAST HAM——————LONDON, E.

Telegrams: "ZOTALENE, PHONE, LONDON."
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A SPA IN THE HOME

EUSALAX

A pleasing Mineral Aperient & Tonic.

For sufferers from Rheumatism, Gout, Sciatica, Neuritis, Lumbago, Eczema, Dyspepsia and Constipation.

"EUSALAX" is a careful and scientific combination of the beneficent mineral salts of some of the most famous Continental spas. It is one of the greatest solvents of Uric Acid, a natural stimulant to the liver, kidneys and intestines, and a sure blood purifier.

"EUSALAX" is being extensively advertised and is sure to prove a strong selling line.

Retailed in 1/- boxes: trade terms 7/6 per doz. boxes.
(Yielding 60% profit to chemists)
Also Retailed in 2d. packets: trade terms 1/4 per doz. pkts.
(Yielding 50% profit to chemists)

GEORGE WALKER & SON, Ltd., Reid St., Bridgeton, Glasgow
(ESTABLISHED 1860)

When consulted about
Diabetic Foods
remember the advantages of the "ENERGEN" Brand.

Prescribed by leading Specialists.
Carry a good profit to the Chemist.
Inquiries invited.

Therapeutic Foods Co.
19c Roundwood Road, Willesden, N.W. 10.

CHELTINE MILK & MALTED FOODS

No. 1. from birth to five months.
No. 2. from five months onwards.
No. 3. for Invalids, Dyspeptics, the Aged, and those with enfeebled digestion.

Experience is proving, and medical men are testifying to the value of these perfect Foods. Terms and full particulars from

THE CHELTINE FOODS CO., CHELTENHAM.

ALL CHEMISTS SHOULD STOCK **ABDINE**

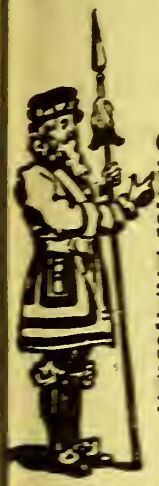
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 Years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 1½d. each; Boxes of 13 packets, 1/6
Wholesale Prices on application. Sample Box 7/6.
D. McLASHAN, M.P.S., Abdine Works, Westfield Road, EDINBURGH

THE MOST ECONOMICAL INFANTS' FOOD.

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

GOOD! IT'S MASON'S
The Drink for the Masses



Millions of glasses used daily by workers all over the Empire

Please allow us to Sample and Quote—

Citrate Magnesia
Health Salt
Salines
Liver Salt
Blood Salt
Sulph. & Sarsap. Salt
Lemonade
Crystals, &c.

NEWBALL & MASON
NOTTINGHAM

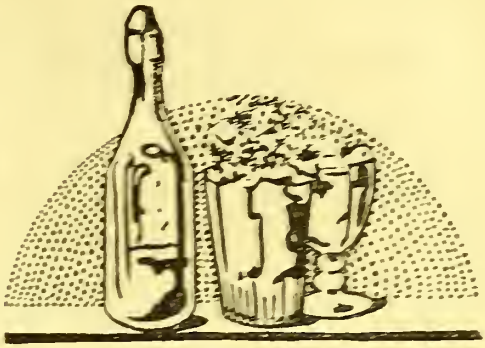
THE "IRIS" SEALING MACHINE

STRONG
SIMPLE
EFFECTIVE

If you are not already using our GUMMED TAPE for your parcels and packets, it is worth your while to send for samples and prices.

R. A. STEPHENSON, LTD.
130 Queen Victoria Street,
LONDON, E.C. 4.

Telephone: City 2577. Telegrams: "Economast, Cent, London."



The Finest Quality Aerated Waters are made only with the Finest Quality
ESSENCES

BOAKE ROBERTS'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash. Vanilla

A. Boake, Roberts & Co. Ltd.
Stratford, London, E.15.

Genuine Russian **LIQUID PARAFFIN**
All gravities, correct viscosities

"Jasmine Brand" **ADEPS LANÆ** Superfine Anhydr. and Hydrous
Lanoline

"Jasmine Brand" **PETROLEUM JELLIES**
White and Yellow

"Jasmine Brand" **WHITE OILS** Chem. Pure, Water-white, Tasteless, Odourless
FOR MANUFACTURING PURPOSES

B.P. 1914
Finest Qualities
Competitive Prices

ALSO TRANSFORMER & INSULATING OILS.

The PURE RUSSIAN LIQUID PARAFFIN CO., Ltd.
3 St. Helen's Place, LONDON, E.C.3.

Actual Refiners and Manufacturers at their Works near London.

"LANZONE" BRAND LANOLIN B.P.
IMMEDIATE DELIVERY
FROM STOCK.

THE PRODUCE BROKERS CO., Ltd.
24-28 ST. MARY AXE, E.C.3.
Telephone: Avenue 3410 (9 Lines). Telegrams: "Syntax London."

ADEPS LANÆ, P.B.
THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY
THE PHARMACEUTICAL LANOLINE CO.
Carnwath Road, Fulham, London, S.W.
WHO INVITE INQUIRIES.

CROSFIELDS'
CHEMICALLY PURE GLYCERINE.
PYRAMID BRAND.

The finest Glycerine obtainable for medicinal purposes. Absolutely pure. Guaranteed to stand all the tests of the British Pharmacopœia.

IN 14 lb. 28 lb. & 56 lb. TINS. (WOODEN CASES.)
1, 2½, 5 & 10 CWT. DRUMS. (RETURNABLE)

JOSEPH CROSFIELD & SONS LTD Chemical Manufrs. WARRINGTON.

GUARANTEED PURE

OLIVE OIL

Finest Cream Pharmaceutical

Wholesale Only.

LEON FRENKEL

10-11 LIME STREET, LONDON, E.C. 3.

(1)

P.A.T.A. NOTICE.

113 Temple Chambers, E.C 4.

February 21, 1920.

The following revised prices are now in force:

Advertised Price.		Minimum Retail Price.	Minimum Wholesale Price.
	"Cutex" Manicuring Preparations—		
No.			doz.
1.	"Cutex" Ideal Cuticle Remover, small ...	2/6	21/6
2.	,, ,, ,, medium ...	5/-	43/-
4.	,, Nail White	2/6	21/6
5.	,, ,, Polish Cake, white ...	2/6	21/6
6.	,, ,, ,, ,, pink ...	2/6	21 6
7.	,, ,, ,, ,, trial size ...	10½d.	7/-
8.	,, ,, ,, Powder ...	2/6	21/6
9.	,, ,, Polishing Paste, pink ...	2/6	21/6
10.	,, ,, ,, ,, plain ...	2/6	21 6
11.	,, Liquid Nail Enamel	3/-	25/6
13.	,, Cuticle Comfort	2/6	21/6
14.	,, Nail Bleach Powder	2/6	21/6
15.	,, ,, Rouge	2/6	21/6
16.	,, Compact Manicure Set	3/6	31/-
17.	,, Travelling ,, ,, ...	11/6	93/-
18.	,, Boudoir ,, ,, ...	22/-	186/-
22.	,, Nail Polish Stick in metal tube	2/6	21/6
31.	,, Cold Cream	2/6	21/6
	Evans, Gadd & Co.'s Preparations—		
3/-	Corner's Oils	3/-	27/-
		Carr. pd. on 3 doz.	
1/-	**Jeyes' Fluid,** 4 oz.	1/-	9/-
1/6	,, ,, 8 ,, ...	1/6	13/6
1/-	,, ,, ½ pint tins	1/-	9/-
1/6	,, ,, ½ ,, ,, ...	1/6	13/6
2/3	,, ,, 1 ,, ,, ...	2/3	20/3
3/9	,, ,, quart ,, ...	3/9	33/9
4/-	,, Cyllin Disinfectant, quart tins ...	4/-	36/-
10d.	,, Powder, 1 lb. tins	10d.	7/6
1/4	,, ,, 2 ,, ,, ...	1/4	12/-
3/5	**Kutnow's Powder**	3/6	33/6
		less 5% on 6 doz. lots carr. forward.	

Petroleum Jelly

White, Yellow, Amber, & Ruby Red, for all Pharmaceutical and Veterinary purposes

MEADE-KING, ROBINSON & CO., LTD.

LIVERPOOL - MANCHESTER - LEEDS

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **British Manufacture**, and buyers may rely that for quality and price, it will meet any competition.

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"**OLEUM DEELINÆ**," a certain cure for Eczema.

Phone: 186 Bootle. Wires "Cestrian Liverpool."

All Petroleum Products

TECHNICAL AND MEDICINAL WHITE OILS

PETROLEUM JELLIES, WHITE, YELLOW, DARK

PARAFFIN WAXES

NEUTRAL OILS, DEBLOOMED AND UNDEBLOOMED

PALE & RED LUBRICATING OILS

CYLINDER OILS, STEAM REFINED, FILTERED

WHOLESALE ONLY

W. J. SMITH

Sole European Representative

The JAMES B. BERRY'S SONS CO. Inc.

110 CANNON STREET, LONDON, E.C.4.

FINEST **BLACKS** AND

COLOURS

(ALL SHADES)

CARAMEL COLOUR

IN POWDER.

Guaranteed Harmless.

50

times the concentration of Liquid Caramel.

Sample on application.

Soluble in

WATER SPIRIT
OIL TURPS
WAX BENZOLINE
GLYCERINE NAPHTHA
PETROLEUM CREOSOTE
and
IN FACT—ANYTHING.

BLACK FOR INK.

MARKING INK.

ETERNITE

A combined Stain and Preservative for Wood

HOUSEHOLD DYES.

RHEUMSOL BATH SALTS

In 1/- Tins.

WILLIAMS BROS. & CO.

Hounslow, Middlesex.

HOT WATER BOTTLES
AND
AIR CUSHIONS
THE "EMPIRE" BRAND

One Quality only—THE BEST. Guaranteed for 2 year

Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s.
Heavy weight ... ... each	4 0	4 4	4 8	5 0	5 6	6 0	6 3	7
Covers, scarlet or grey plush ,,	1 5	1 8	1 10	2 0	2 2	2 8	2 10	3

Fig. 957.—Side. Handle.

Fig. 1194. **The "EMPIRE" Red Indiarubber Air Cushion**

Sizes	14	15	16	17	18	19	20 i
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s.
Circular Shape ... ... each	8 0	9 0	10 0	11 0	12 0	14 0	16
Square shape ... ... ,,	12 0	13 6	15 0	16 6	18 0	19 6	22

5% discount allowed for prompt cash off above prices.

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Cathete Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Pessaries (Quinine), Rubb Sponges, Splints, Sponge Bags, Tooth Brushes, Trusses, Water and Air Beds, Water and Air Cushio Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIE

BURGE, WARREN & RIDGLEY, LTD
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1.

Real Good Lines

Pumisope "The Hand Cleaner."

Dry Cloth-cleaning Balls
(All Colours)

Precipitated Chalk
(Powder)

Prepared Chalk
(Powder and Cones)

Fancy Boot-top Cleaning Balls
(All Colours)

Magnesia, Rouge,
&c.

HANCOCK'S, LTD.
"The Factory," OLD BATTERSEA, S.W.11.
WHOLESALE: Write for QUOTATIONS.

RUBBER CORKS
IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab Ammonia Proof.	Drab Acid Proof.	
Prices for 8-oz. Bottles ...	**3/3**	**4/3**	per gross
,, 16-oz. ,, ...	**4/9**	**5/9**	,,

Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

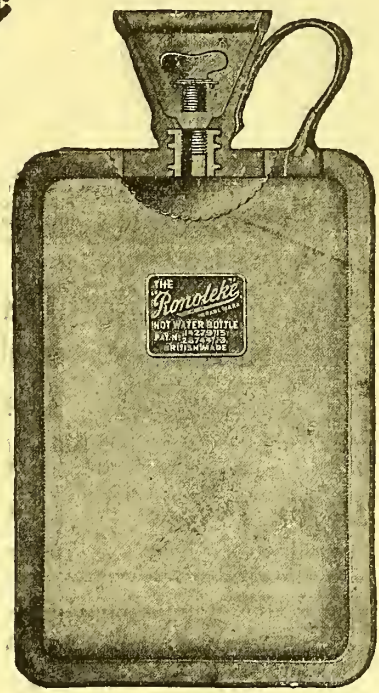
We also manufacture BUNGS for ½-gall. and 1-gall. Jars.

RED & BLACK RUBBER CORKS of the Best Quality for Laboratory use.

Inquiries Solicited.

Garden City Rubber Company
Manufacturers of all Rubber Specialities for Medical, Chemical & Laboratory use,
Letchworth, Herts.
Telephone: Letchworth 54. Telegrams: "Rubber Letchworth."

Every "Ronoleke" REGD. You Sell



makes a Customer for your other Lines

The fact that the "Ronoleke" Bottle CANNOT leak makes satisfied customers who will have confidence in coming to you for all their other needs. Make sure of your supply of "Ronoleke" Guaranteed Unleakable Hot Water Bottles by ordering through your Wholesale House right away NOW.

They will supply you also with attractive advertising material, and the "Ronoleke" itself will advertise you in every purchaser's home.

Revised Prices.

Protected on the P.A.T.A. List.

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
6″ × 8″	5/3	6/10
6″ × 10″	5/10	7/6
7″ × 10″	6/–	7/9
6″ × 12″	6/2	8/–
7″ × 11″	6/3	8/1
8″ × 10″	6/7	8/6
7″ × 12″	6/9	8/9
6″ × 14″	6/9	8/9

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
8″ × 12″	7/4	9/5
9″ × 12″	7/9	10/–
8″ × 14″	8/–	10/3
10″ × 12″	8/3	10/7
10″ × 14″	9/3	11/11
10″ × 16″	10/1	13/–
12″ × 14″	10/4	13/3
12″ × 16″	11/–	14/2

Your Wholesale House will supply you

Patent Neck

Improved HOT WATER BOTTLES

THE 'Ronoleke' British Made. Requires no Washer. Note the Patent Neck and Stopper. Guaranteed never to leak unless wilfully damaged.

High-grade Moulded Red Hot Water Bottles. Superior Quality. Strong and pliable. Each Bottle boxed singly. Made in 2 Sizes.

The Thames Rubber and Leather Co.

199 UPPER THAMES ST., LONDON, E.C. 4.
Established 1851.
Telephone: 7226 Central.
Telegrams: "Thames Rubber, Cannon, London."

Write for Prices

AMPUTATING DISSECTING AND VETERINARY KNIVES.

SYMES, SCALPELS, BISTOURIES, LANCETS, CORN KNIVES CHIROPODISTS' KNIVES

FOR AN INTERESTING EXHIBIT OF THE WORLD-FAMED "INTRINSIC" SURGICAL KNIVES, SCISSORS, AND CUTLERY

call at STAND No. L 29, BRITISH INDUSTRIES FAIR, Crystal Palace, London, Feb. 23—Mar. 5.

JOHN MILNER & Co., Orient Works, Matilda St., SHEFFIELD.

Buy direct from the Manufacturer.

The

Bouverie Seamless Rubber Works

GLOVES, TEATS, SOOTHERS
and every description of seamless goods.

Inquiries invited. *Samples gladly submitted.*

H. NORTHCROFT, 85 Bouverie Road, STOKE NEWINGTON, N.

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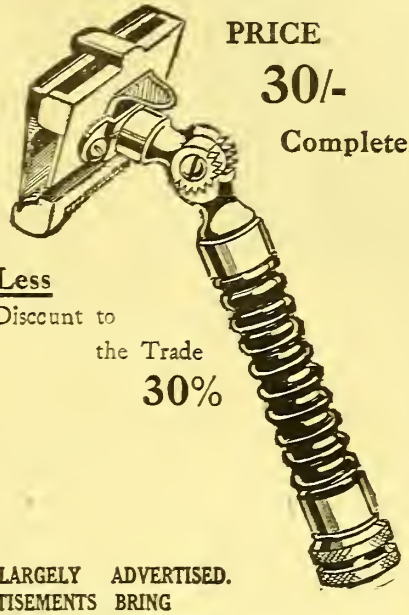

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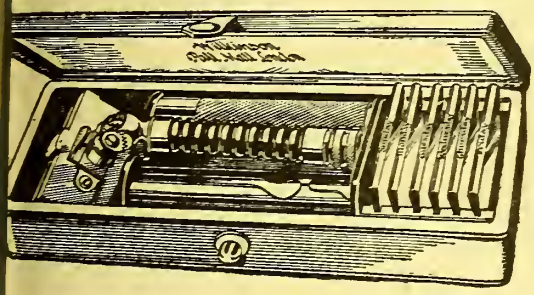

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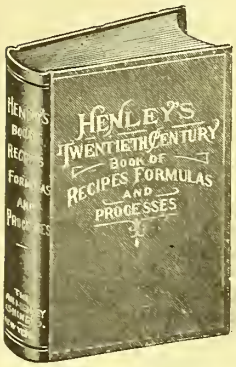

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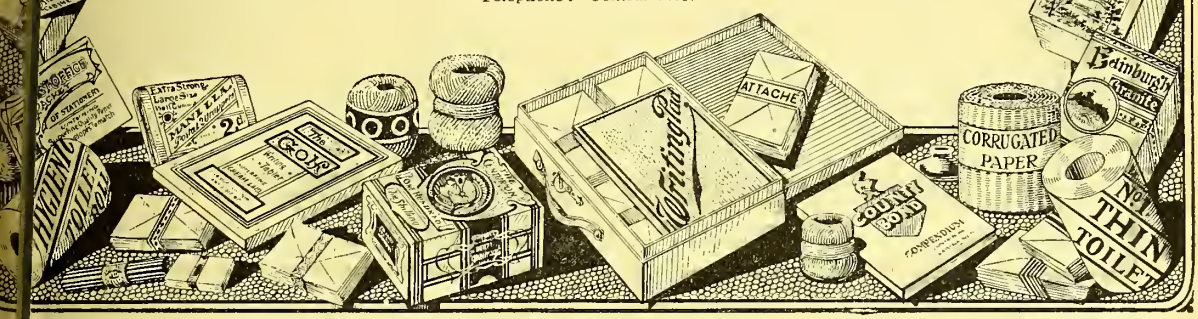

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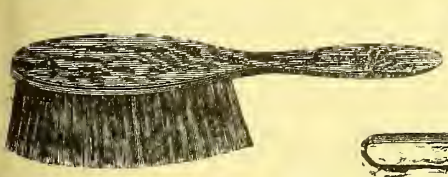

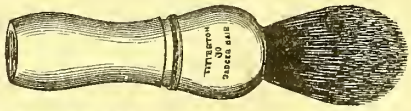

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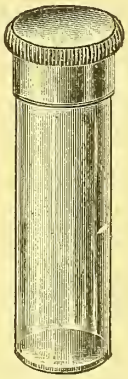

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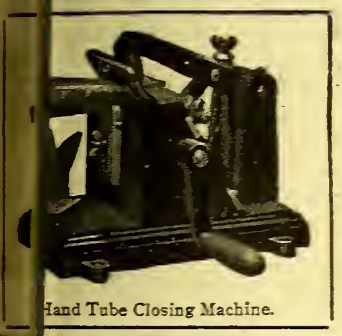

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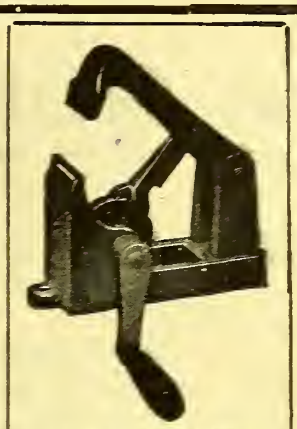

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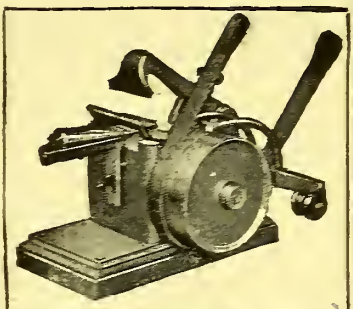

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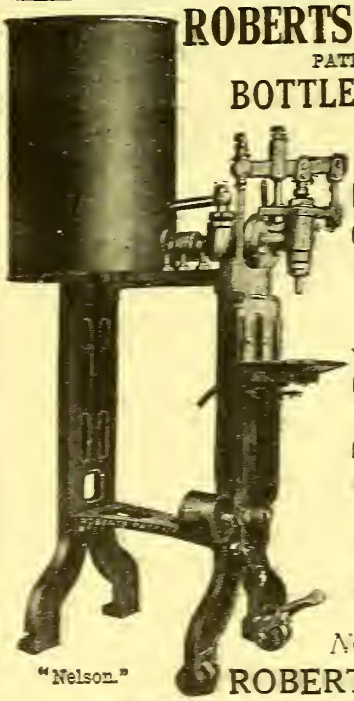

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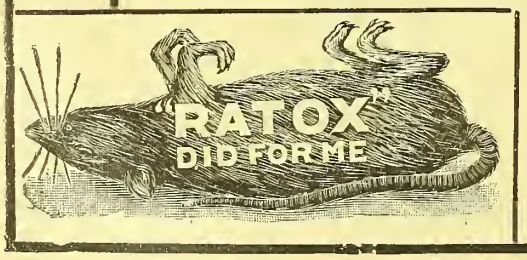

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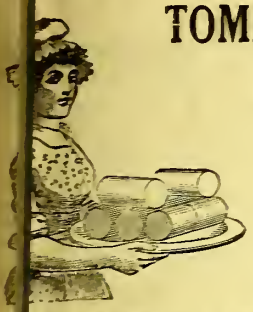

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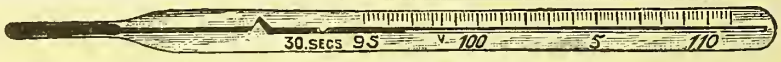

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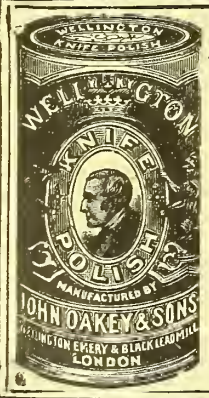

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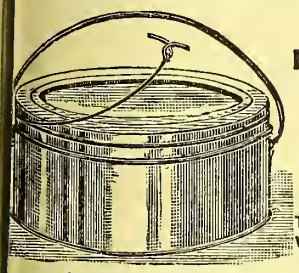

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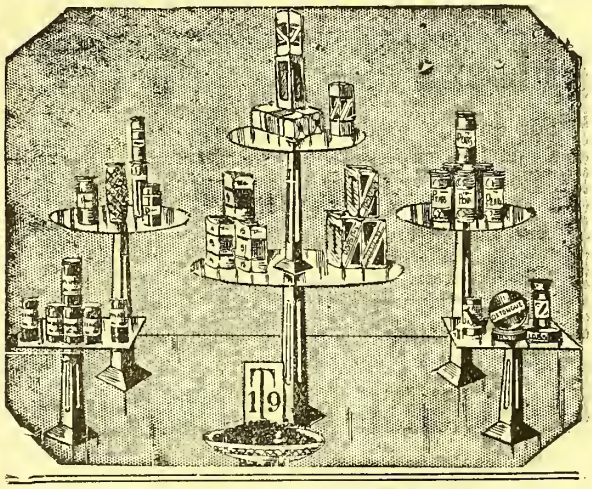

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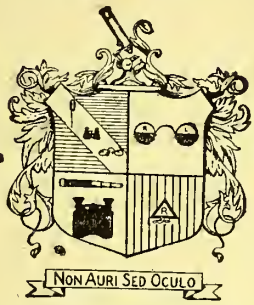

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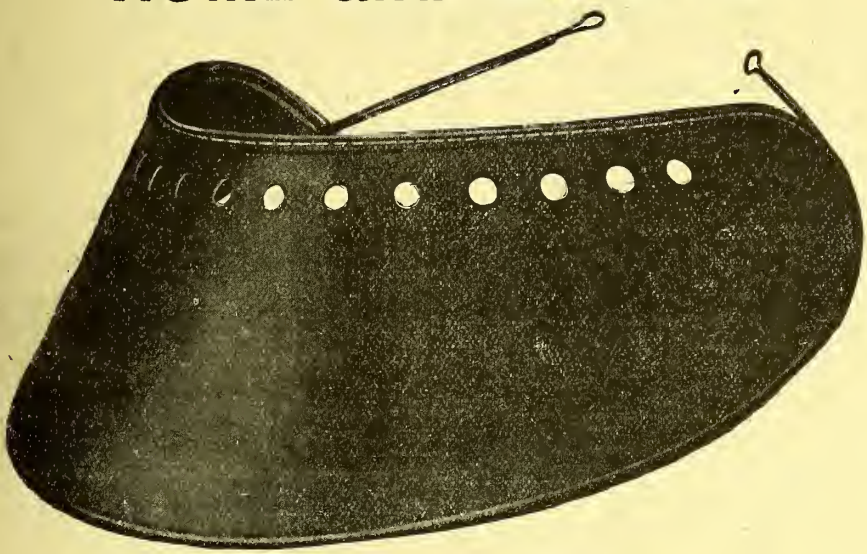

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FEBRUARY 21, 1920

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"IMPROVED METHOD OF PRODUCING ALCOHOL FROM SULPHITE CELLULOSE LYES,"

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A copy of the specification and full particulars may be obtained from

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PARISH OF LAMBETH.

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Printed forms of Tender with conditions annexed (which alone will be received), may be obtained at this Office any day (except Saturday) between the hours of ten and five.

The Tenders must be sent by post on or before Tuesday, the 9th proximo, and will be opened at a meeting of the Guardians on the following day, but will be decided upon at a subsequent meeting.

The Guardians do not bind themselves to accept the lowest or any Tender.

By Order,
JAMES L. GOLDSPINK,
Clerk.

Guardians' Board Room and Offices,
Brook Street,
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18th February, 1920.

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19, 20, 21 LOWER PRIORY, BIRMINGHAM.

BUSINESSES WANTED

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

WALLASEY OR LISCARD PREFERRED.—Wanted immediately, for cash, sound Retail and Dispensing Business with or without Photographic; turnover about £1,[illegible]; hou[illegible] attached if possible; must bear investigation. Please give full particulars to "M.P.S.," c/o 30 Greenheys Road, Liscard, Cheshire.

ADVERTISER requires a sound Business in Lancashire or Yorkshire, with scope for development; in main[illegible] borough fare preferred, but not essential; returns from £1,[illegible]; plea[illegible] give full particulars as to turnover, rent, rates, [illegible] reasons for disposal. "L. & Y." (12/23), Office of this Paper.

ADVERTISER wishes to purchase a Drug Store [illegible] or provinces, suitable for unqualified; can pay [illegible] £200; neglected business not objected to. Please se[illegible] ticulars, in confidence, to P.C.B. 40/11, Office of this paper.

ADVERTISER wishes to purchase neglected Business, with possibilities, or Partnership where principal [illegible] retire in the near future. Apply 20/8, Office of this [illegible].

CASH Business wanted; Lancs preferred; must bear [illegible] vestigation; willing to manage, with view to early [illegible] cash down up to £600. Apply 15/27, Office of this [illegible].

DRUG Store wanted with living accommodation; [illegible] Coast preferred, but not essential, must be going [illegible] state particulars and price. Apply 19/26, Office of this Paper.

GOOD-CLASS Retail and Dispensing Business required; [illegible] turnover of approximately £2,500; give fullest [illegible] of class of business, rent, lease, etc. Apply 16/29, Office of this Paper.

IN Midlands or Eastern Counties, good, sound Business [illegible] either town or country; good position; ample [illegible] command; turnover from £2,500 to £4,000; or would [illegible] a partnership with view to succession. Please send full [illegible] in confidence to "Genuine" (19/8), Office of this Paper.

SUBURBAN, or within 20 miles of London; lower [illegible] working class, yielding not less than £300 a [illegible] profit. Full particulars, including rent, length of [illegible] price, to 22/13, Office of this Paper.

WANTED, Edinburgh or London, first-class Business [illegible] ship in West End, for cash. Replies to "F. W." [illegible] Messrs. J. F. Macfarlan & Co., Edinburgh.

£10 BONUS for information actually leading to [illegible] good Medium-class Family Business, on South [illegible] Coast or Southern Counties; or outer London district [illegible] Optics, or scope for same; living accommodation necessary [illegible] available. Coates, 169 Hemingford Road, N. 1.

INESSES FOR DISPOSAL.

words or less; 6d. for every additional 10 words or less, prepaid.

dvertiser may, if preferred, have replies b this Office, and forwarded on payment of an harge of 6d.

ON (N. WALES).—Old-established Chemist's Business ars) is now for disposal owing to a death; splendid ulous district. R. Isaac-Jones, Accountant, Carnar-

GH.—First-class Dispensing and Photographic Busi- r Sale; small Optical; small W.H.T.; turnover £2,300; and reps., 5,000; immediate. No. 208, Keith & sing Agents, Edinburgh.

AGENCIES.

words or less; 6d. for every additional 10 words or less, prepaid

and Representatives required (at once) to handle Toilet Specialities of all kinds; 15 per cent. commis- which will be remitted on weekly orders received) Only men with sound connections need apply, stating ally covered and lines at present handled, to P.C.B. of this Paper.

—Traveller, with sound connection amongst the ts and Druggists in the South of Ireland, is open to y for first-class Perfumery house; commission basis 17/35, Office of this Paper.

& CO., Drug Manufacturers' Agents, well-known out Great Britain, desirous of starting again their ons supplying 180 shops in Wolverhampton districts closed in 1914 owing to war, require two ladies capital; partnership considered, take full control of Handsworth New Road, Birmingham.

CANADA.

WELL-KNOWN firm of Manufacturers of high-class Pharmacy Specialities and ompressed Tablets are open to consider ole Agency for Canada by a firm who are oroughly represented by their own staff the dominion. Give as much information possible in first letter. Apply 190/25, ffice of this Paper.

FOR SALE.

4 doz. Manicure Scissors, curved, 21*s.* per doz.; finished; any quantity; cash with order. L. Wil- shvale Road, Tooting.

Coils, 1 gross 3¾ × 25 yards, double cash column, Gledhill Till, 5*s.* 9*d.* doz., 3 doz. 16*s.* 6*d.*; 6 doz. rds, to fit O'Brien Till, 6*s.* 9*d.* doz., 3 doz. 18*s.* 6*d.*; "Coils" (16/31), Office of this Paper.

OCKED.—2 doz. each size Fort Reviver; 7 lb. Pil. B.P.; 2 doz. Jeyes' Cyllin; 6 doz. Emollient Shaving- ns; 2 doz. Santal Capsules; 15 Douche Cans, com- offers? 14 new Vacuum Flasks, 5*s.* each. Apply e of this Paper.

TINGS.—Bent-glass mahogany polished Counter Case, 17 × 8, fitted crown glass and 4 trays; Swan-neck llon; Southall's mahogany and plate Tooth-brush Case; nit Window Stands in case; about 3 doz. Shop ious), recess labelled. Particulars from L. E. Wixey, Glos.

TO LET.

—To Let on lease, magnificent Premises, 45 and 47 Street; fine frontage of 40 feet; shop 140 feet in extensive storage accommodation; for many years a nd important business has been carried on by William Co. Ltd., as a Drug, Grocery, Confectionery, and sehold Store. Particulars from Mr. J. Alfred McAuley, t, 14 Arthur Street, Belfast

PARTNERSHIPS.

4s. 6d. for 50 words or less; 6d. for every addition 10 words or less, prepaid.

CHEMIST and Druggist, young, energetic, with sound business experience in Retail, Wholesale, and Manufacturing, at present employed by an important firm, seeks Partnership or position with interest in a North Country house, either Retail or Wholesale; capital at command; communicate in confidence. Apply 21/10, Office of this Paper.

PARTNERSHIP (half-share) offered to a live man, to travel, in a flourishing, up-to-date model Factory, manufacturing Toilet Preparations, Hairdressers' and Chemists' Sundries, also Sugar Substitutes and other specialities; South Coast; capital required £2,000; salary, commission, and share profits, together £500 per annum. Principals only apply, with solicitors' and bankers' reference, to F. Mann, 5 Clifton Place, Brighton.

PREMISES WANTED.

£5 REWARD.—Can you suggest a good spot for starting a sight-testing business? Healthy market town preferred. I will pay the above reward if your suggestion is accepted and I start in the place. Apply 18/24, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

BIRMINGHAM.—A well-educated Junior for the Counter in a high-class Pharmacy. State wages and experience to Richards, Pharmacist, Hagley Road.

BIRMINGHAM.—Smart, unqualified Assistant for a good-class Light Retail and Dispensing business in one of the best residential suburbs; comfortable and permanent post. "K." (20/304), Office of this Paper.

DERBY.—Junior Assistant, unqualified, outdoors, required for Dispensing and quick Counter business; other Assistants kept; hours 8.30 to 7, Wednesdays 1, Saturdays 8; state age, experience, references, and salary required in first letter. Hart & Co., Chemists, Corn Market.

DEVONSHIRE.—Wanted, well-educated Junior or Improver for high-class business; knowledge of Retail Photography essential; hours 9-7; no duty; outdoors, £2 10*s.* weekly; photo. 21/2, Office of this Paper.

HACKNEY.—Assistant (female) wanted for Counter and Photographic work; usual hours; please state age, experience, and salary required. Brown, 186 Mare Street, E. 8.

HULL.—Elderly, qualified Assistant required for Light Retail and Photographic business; comfortable and permanent post; state age and salary required. "Hull" (20/303), Office of this Paper.

ISLINGTON, N.—Junior Assistant wanted; unqualified; must be quick and accurate Dispenser (chiefly N.H.I.). Apply, stating salary required, when disengaged, and usual particulars, to 19/30, Office of this Paper.

KENT COUNTY COUNCIL.—The services of a fully qualified Dispenser are required by the Kent County Council; salary £300 per annum. Applications, stating qualifications and experience, and accompanied by copies of two recent testimonials, should be forwarded immediately to Dr. A. Greenwood, County Medical Officer, Sessions House, Maidstone.

LIVERPOOL.—Wanted, capable Junior Assistant (male) for brisk city business. Apply, stating age, height, salary, and references, to John Bain, 4 Quadrant, Lime Street, Liverpool.

LONDON (CITY).—Junior Assistant; unqualified; male; age about 20; outdoors; easy hours; no Sunday duty. Apply personally, or with full particulars, to Pollock & Co., 133 Fenchurch Street, E.C. 3.

LONDON, N.E.—Unqualified Assistant, under 30, wanted for medium Retail, including Photo Goods and N.H.I. Dispensing; alternate Sunday evening duty; good character essential. Please state age, height, if married, recent experience, and salary required (outdoors), to "W. A. T." (P.C.B. 40/10), Office of this Paper.

LONDON, S.E.—Qualified Manager required for Light Retail and Dispensing (N.H.I.) business; industrial district; excellent opportunity; commission on profits; permanency. "U. P." (20/3), Office of this Paper.

LONDON, S.E.—Young, energetic Assistant or Improver; good Window-dresser essential; one with knowledge of Photography preferred; no Sunday duty; state experience and salary required. Apply 20/30, Office of this Paper.

LONDON, S.W.—Unqualified Junior Assistant wanted for Dispensing and Counter. Please state full particulars of experience, references, age, and salary required (outdoors), to A. T. Gray, 5 High Street, Barnes, S.W. 13.

LONDON, S.W.—Qualified Manager required for Light Retail and Dispensing business; interest in the profits offered; splendid opportunity for a capable man. "G." (20/301), Office of this Paper.

LONDON, S.W.—Qualified Assistant wanted; Light Retail and Dispensing; reasonable hours. Apply, personally or by letter, to Mr. Evans, 72 North Side, Clapham Common, S.W. 4.

LONDON, S.W.—Wanted, good all-round Assistant (male) for Retail and Dispensing business. Apply, with full particulars as to experience, salary required, etc., to Lloyd, 267 King's Road, Chelsea.

NEAR BOLTON.—Qualified Assistant; hours 9 to 8; duties light; 2 hrs. dinner, 1½ hr. tea; half-holiday Wednesday; exceedingly comfortable position; no objection to elderly; must be of temperate habits. Apply by letter in first instance, stating age, salary required, etc., to D. O., 23 Kay Street, Bolton.

NEWCASTLE-ON-TYNE District.—Assistant wanted for busy Retail, on main thoroughfare; qualified and well up in Photography and Sight-testing preferred; forty-eight-hour week; one assistant already kept. Send full particulars of qualifications (if any), references, salary required, when at liberty, etc., to 21/19, Office of this Paper.

RICHMOND, SURREY.—Lady Assistant wanted with some experience for Counter; good-class Store trade. Apply personally between 10 and 12, or by letter, Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster, S.W.

ST. GEORGE'S HOSPITAL, S.W. 1.—Wanted (at once), strong lad as Dispensary Porter; wages to commence 25s. per week. Applications, by letter only, to the Pharmacist.

WOOLWICH.—Assistant for Drug and Surgical Stores, with knowledge of Dentistry and Optics; male and female Assistant already kept; established 1895; permanency for suitable man; if married, must reside in easy distance, as house accommodation is scarce. Furnish references, experience, salary and commission expected, to "S.E." (16/36), Office of this Paper.

YORKSHIRE, EAST, BUSY SEAPORT.—Qualified Manager required for a quick cash retail and Photographic business; Photographic experience essential; interest in the profits; excellent opportunity for a Chemist who is a keen business man; single man preferred. "East" (20/302), Office of this Paper.

ASSISTANT, unqualified, wanted as Second Hand; Counter and Stock; £3 week offered; age about 30; working-class business. "Cardiff" (21/14), Office of this Paper.

ASSISTANT for Dispensing business; qualified, capable, energetic; with Photographic experience; two or three days weekly; good references essential. Write, stating salary and full particulars, Palmer, 20 King Street, Twickenham. Or 'phone Richmond 196. Also smart full-time Junior, or Lady. Apply above address, stating age, experience, references, salary required.

BRANCH Manager for good-class Retail and Dispensing, with Optics and Photographics; qualified; must be a good Counterman, courteous, obliging, and have unexceptionable references; permanency to suitable man. Apply, stating age, height, salary required, previous experience, and when disengaged, to D. T. Evans, Farningham Lodge, Margate.

COCKS & DUNSFORD, Pharmacists, Torquay, require an Assistant (male) for good-class Retail and Dispensing business; also an Improver. Apply T. W. Dunsford, Castle Circus, Torquay.

COMPETENT Assistant wanted for April 12th, qualified preferred, for a first-class Dispensing business; thoroughly experienced Dispenser essential; six months' engagement. Apply, stating terms and reference, to W. Parry-Jones & Co., Chemists, High Barnet.

DENTAL Operator-Mechanic required for new branc prosperous town; salary £5 per week and c qualification, £200 investment, at good interest. Add P.C.B. 40/14, Office of this Paper.

EVENINGS.—Wanted, an Assistant for one or two weekly, also half-day Saturday; might suit Mino Apply personally to "Chemist," 218 Kentish Town R

JUNIOR Assistant for Surgical Instrument Showr also Office Boy to learn business, 20s.; and Messe 22s. 6d. Holborn Co., 26 Thavies Inn, E.C. 1.

JUNIOR or Improver for stock and assist in Disper doors; London, W. Full particulars to 19/21, Of Paper.

JUNIOR Assistant required for good-class Dispensin Herbert Williams, 31 Heath Street, Hampstead, N

LADY Assistant, to do Packing, Dusting, and assist a must have experience and good references. J. E Co., Ltd., 33 High Street, Kingsland, E. 8.

LADY Dispenser wanted for Pharmacy in Thame no N.H.I. Apply, with particulars of experience required, to Mr. Clegg (Gould & Son), Pharmacists Street, Teddington.

LADY Assistant wanted at once, capable and w Counter, Dispensing, and Stock; state salary re references. Gibbs, Chemist, Berkhamsted.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, P require a capable Pharmacist; easy hours; good gressive salary, with excellent prospects; free removal.

PART-TIME Assistant for 3 or 4 evenings a week. Mr. Amoore & Co., 173 Sloane Street, S.W.

QUALIFIED, elderly, or lady, required; light duti tomed to N.H.I. work; permanency to suitable Apply by letter, stating age and salary required, also s ences and enclose photo if possible (which will be ret The Ordnance Pharmacy, Enfield Lock.

QUALIFIED Assistant, about 30, for old-establishe in southern county; outdoors; abstainer preferr particulars to 20/1, Office of this Paper.

QUALIFIED Assistant wanted (immediately) for bra be energetic and capable of taking charge; health 8 miles from Victoria. State salary required and usual p to "Statim" (22/27), Office of this Paper.

SMART Junior required for middle class quick Cash must be energetic and reliable; take alternate Su for 2 hours. J. Edmunds & Co., Ltd., 33 High Street, E. 8.

WANTED, qualified Manager, young and energetic, new Pharmacy in busy, medium-class neighbourhood as good house over; knowledge of Photographics; good o to right man. State full particulars and salary re Wood, Chemist, 71 Camden Road, Tunbridge Wells.

WANTED (immediately), Assistant; good appear address; Photography, Window-dressing, Store pri wages to suitable man. Jack L. Robinson, Ph.C., Lintho Middlesbrough.

WANTED, Assistant; unqualified; state age, experi salary required. 4 Mount Ephraim Lane, Streatha

WANTED, smart, qualified Manager for working-c ness; one used to quick cash trade and Prescribing Apply personally to Shaw, 146 Wandsworth Bridge Road, or if by letter give full particulars.

WANTED, Junior or Improver (male or female) f Retail, Dispensing, and Stockkeeping; outdoors; n duty; state salary required and full particulars. " 48 Goodge Street, W. 1.

WANTED, the services of Pharmacist as Branch applicants must have energy and initiative, also a k of Photography; references must bear the strictest inves commencing salary £5 10s., plus commission; applica reside in London. Apply 21/13, Office of this Paper.

£5 and commission; near Bloomsbury Square; Assistant; smart, reliable, and willing; good Sales worker; must be well recommended; age 25-30. "Grange" (P.C.B. 39/35), Office of this Paper.

WHOLESALE.

Advertiser may, if preferred, have replies ed to this Office, and forwarded on payment of an nal charge of **6d.**

INGHAM.—Manager for Warehouse required immediately; ualification not essential, but must have had buying ex-, and be capable of controlling staff. Apply 20/300, this Paper.

STANT Manager, to take charge of the manufacture of gh-class Toilet Preparations and Perfumery. Applications made in writing to the General Works Manager, Lever td., Port Sunlight, Cheshire, and must give full particu-age, qualifications, experience, and salary required.

ULE (Gelatin) Makers wanted. W. Martindale, 10 New vendish Street, W.

K wanted as Assistant Buyer by Commission Merchants, ipping Druggists' requirements to British Colonies; prefer-ven to one who has been engaged in export business. stating experience and salary required, to "N. S." 4), Office of this Paper.

GETIC Representatives wanted by a French Toilet house, t opened English Branch, on a liberal commission basis, land, Scotland, and Ireland; applicants must be experi-alesmen. State territory worked and references in first Agent, 39 Mytongate, Hull.

LLENT side-line; 20% commission first orders and repeat; ritories open—(1) Eastern Counties, (2) London and dis-3) Southern Counties; proved Dry Cleaner; sell 3*d.* and fect results on the fashionable velour and felt hat, and nge of articles; great scope; smart showcards; small only "live" men, with first-class connections, considered. rticulars in confidence to M. (20/28), Office of this Paper.

RIENCED Invoice Clerk; must have sound knowledge of ug trade; good prospects for capable man; Export experi-advantage; Midlands. State full particulars, 50/42, Office Paper.

-CLASS Representatives required for the following terri-ies: Leicester and Northampton, South Yorkshire, Cardiff rict, Edinburgh, and North Birmingham; salary or com-leading house in Perfumery and Sundries. Apply 18/12, this Paper.

wanted, who understands the manufacture of Jelly uares, Lemon Cheese, Cake Flours, Health Salts, and all Sundries, for a Yorkshire firm. Apply, with full par-as to age, experience, and salary to Box 11, Advertising 56 Ludgate Hill, E.C. 4.

E Clerk, Junior, required for City Wholesale Druggist; ous experience essential; neat writer and quick at figures. y letter, giving full particulars and salary required, to Office of this Paper.

R Invoice Clerk required; about 20 years of age; must ve had experience in the Drug trade. Apply Wright, & Umney, Ltd., 46 Southwark Street, London, S.E. 1.

ER, used to small parcels and also cases, etc., and keep all stock in Druggist Sundries firm, North London; dis-soldier preferred; state age, salary required, and ex-. Apply 185/73, Office of this Paper.

ESENTATIVE wanted, for North London and Eastern unties, by house offering Surgical Dressings, Sundries, and must be a first-class man, preferably one who has worked und. Full particulars, in confidence, to 185/18, Office Paper.

ESENTATIVE required for London and district, North e, having fullest knowledge of Surgical Dressings and ; previous experience on the road an asset, but not . Reply "Confidence" (186/6), Office of this Paper.

Representatives wanted for all parts of the British es, calling upon Patent Medicine Vendors, to sell two attractively packed Proprietary Lines; they show good re extensively advertised, and are on the P.A.T.A.; whole-n or part-time men with good records will be considered; reatment and excellent prospects for reliable men. Give ticulars to Waltons, Limited, Manufacturing Chemists,

WANTED.

REPRESENTATIVES to call upon Chemists and high-class Hairdressers in

LIVERPOOL,
MANCHESTER,
LEEDS,
BRADFORD,
HULL,
BIRMINGHAM,
SHEFFIELD, Etc., Etc.

Only gentlemen who have sound and first-class connections and able to earn a minimum of £10 weekly on a 10 per cent. commission basis need apply. The article is a well-advertised Proprietary, and could be carried as a side-line. Applicants must state in strict confidence present employment and lines carried. Apply 189/58, Office of this Paper.

SALESMEN wanted to call on Chemists by Ralph Dennis, Paper Merchant, 4 & 5 Pilgrim Street, E.C. 4.

TRAVELLERS with good Chemists' connections.—A splendid, quick-selling, good-paying side-line on commission basis; small samples; sells on sight; connection handed over; grounds open, East Midlands, East and South Coasts; state clearly ground covered and how often; live men only entertained. Apply P.C.B. 40/3, Office of this Paper.

WANTED, by an old-established Midland house, smart young Salesman, accustomed to calling upon Doctors, Chemists, etc., in Birmingham and District. Reply "G. B." (188/63), Office of this Paper.

WET Counter.—First-class Counterman required for London Wholesale; standard wage. Apply, giving experience, to 191/58, Office of this Paper.

WET-FLOOR Assistant required at once; neat and quick worker, with good previous experience. Apply by letter, giving full particulars, to W. A. (191/300), Office of this Paper.

YOUNG Chemist (preferably with Major qualification), competent to undertake Analytical work and assist in the manufacture of Galenicals, under the supervision of Laboratory Manager. Apply, stating experience and salary required, to 20/37, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

BOMBAY.—Qualified Assistant; 3 years' agreement; a first-rate permanent position for good man; passage out and home paid; good salary. Write 191/51, Office of this Paper.

FAR EAST.—A qualified Assistant, not over 30 years of age; must have had experience in first-class Retail and Dispensing business; good salary for the right man; passage paid out and home, on a four years' agreement. Address 19/28, Office of this Paper.

MONTREAL, CANADA.—Company requires a gentleman possessing a thorough knowledge of Drugs and understanding Pharmaceutical Tablet making and coating; liberal salary, and the position is a permanent one for the right party; preferably between 25-35 years of age; advertisers' representative now visiting England. R. H. Gunn, 64 Queen Street, Cardiff.

PARIS.—Qualified Assistant; knowledge of French and Continental experience; outdoors; short hours; no Sunday or night duty; state age, experience, references, and salary required in first letter; permanency, with good prospects, for suitable man; send photograph, which will be returned. Roberts & Co., 5 Rue de la Paix, Paris.

STRAITS SETTLEMENTS.—Young Assistant, unmarried, with Chemist's qualification, a good knowledge of Optics desirable; four years' agreement; passage paid out and home; salary first year £420, second and third years £455, fourth year £490. Apply 140/34, Office of this Paper.

REQUIRED (immediately), for African Highlands, fully qualified Dispenser; applications from ex-Naval Sick Bay Stewards and R.A.M.C. N.C.O.s would be considered. Write D. S., c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C. 4.

SITUATION open for young and clever qualified Assistant; knowledge of French and Continental experience; outdoors; short hours; no Sunday or night duty; state salary required, references. Ch. Delacre & Co., Brussels.

TABLET- and Pill-Maker for Australian house; capable of taking charge of Department; good opportunities; state age, references, experience, married or single, etc. Apply 18/5, Office of this Paper.

SITUATIONS WANTED.

[HOME.]

RETAIL.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

A LADY Dispenser, well recommended, requires post in any capacity; preferably Leeds or Yorkshire (W.R.); Retail and Hospital experience; good references. Apply 18/13, Office of this Paper.

A QUALIFIED Chemist, with exceptional London and provincial experience, requires position as Manager; keen Buyer and good Organiser; permanency desired; now at liberty. Apply P.C.B. 40/4, Office of this Paper.

A QUALIFIED Chemist now open for permanency or Locum; full General experience; state maximum salary and conditions first letter; reliability guaranteed, also workmanship. Apply 22/5, Office of this Paper.

A RETIRED Chemist, elderly, active, and of varied up-to-date experience, seeks a position of supervision or responsibility in London; part or whole time; moderate terms. Chapman, 88 Audley Road, N.W. 4.

ACTIVE Counterman, Stockkeeper, Window-dresser; N.H.I.; good Prescriber, Extractor; energetic, experienced, unqualified; excellent references; 32; 5 ft. 10 in.; married; demobilised. 65 Maydwell Street, Albany Road, S.E.

ADVERTISER desires permanency; 18 years' first-class experience; highest references; unqualified; married. Apply 22/29, Office of this Paper.

AS Locum or Manager; qualified; 43; disengaged; moderate terms; thoroughly experienced Retail and Dispensing. "Chemist," 11 Laurie Avenue, Burford Road, Nottingham.

AS part-time or evenings; thoroughly experienced Locum; smart, neat, quick Dispenser; good Counter Salesman. G., 122 Scott-Ellis Gardens, St. John's Wood, N.W.

ASSISTANT; unqualified; 29, single; Counter, Stock, and Dispensing; please state salary (outdoors). Searle, 2 Carlisle Avenue, Plymouth.

ASSISTANT (21) desires situation in Blackpool, St. Annes, or Lytham; good Counter, Photographic, and Dispensing experience; energetic and willing; height 5 ft. 8 in.; good references. "Essen," 58 Chesterfield Road, Blackpool.

ASSISTANT, unqualified, 30, tall, seeks temporary post for summer months; reliable Dispenser, Counter, Photographics; good references. Martin, 6 Raby Street, Darlington.

ASSISTANT, B.Sc. (Inter.), qualified, knowledge of French, desires situation; West End preferred. Apply H. Bogdanor, 219 Hackney Road, E. 2.

ASSISTANT, unqualified, desires permanency; first-class Dispensing and Counter experience; excellent references; Liverpool, Manchester, or Blackpool preferred. 18 Spring Bank, Lancaster.

ASSISTANT, unqualified, 26, 8 years' experienc branches, desires situation. Kindly state salary, 20/ of this Paper.

ASSISTANT, qualified, 25, desires post as Assistant view to succession, in good provincial or South Co highest references. Apply, with full particulars, to Llewelyn Street, Pentre, Glamorgan.

ASSISTANT; unqualified; all-round experience; Lon "Radix," 72 Tremadoo Road, Clapham, S.W.

ASSISTANT; unqualified; 34; single; 15 years' e excellent references; recently demobilised. S particulars to Lamb, H. J., Norman Villas, Normanton

ASSISTANT; 28; married. 3 Medwin Street, Clapha

ASSISTANT (lady); unqualified; good experience and references; W.C. or W. district preferred. Kin Caxton Road, Shepherd's Bush, W. 12.

ASSISTANT (21), unqualified, with five years' Disp perience, desires post; three years' high-class and Counter experience; last two years Dispenser Military Hospital. Apply, stating hours, salary prepare etc., to Owen, 6 Bangor Street, Carnarvon, N. Wales.

ASSISTANT; unqualified; Counter, Dispensing, and dressing; good references; recently disengaged; L suburbs experience. Apply 21/24, Office of this Pape

ASSISTANT, unqualified, 35, town and country experie lent references, free when required, desires pos or provinces. "Assistant," c/o "Chemist," 10 Terr Upton Manor, E.

ASSISTANT or Manager; qualified; 25; good-class Counter, and Photographic experience; Liverpool chester district preferred; disengaged fortnight. "Che Albert Edward Road, Liverpool.

ASSISTANT; married; 33 years; 6 ft.; good Dispen lent Salesman, Photographic; good all-round Toes, 188 Northdown Road, Margate.

ASSISTANT or Manager; unqualified; 36; Dispensing Photography; good London experience; near Lo ferred. Apply 22/30, Office of this Paper.

ASSISTANT; unqualified; knowledge of Dispensing graphy; good references; Eastern Counties preferr 5 ft. 8 in.; disengaged. C. S. Hart, 108 Lincoln Street

BIRMINGHAM.—Part-time, up to six hours daily, b ment; qualified; 36; good references. "D. E." Omce of this Paper.

BRANCH Manager; experienced; disengaged; single; ence; qualified; moderate salary; London or Replies to 19/35, Office of this Paper.

BRANCH Manager; London and provincial experienc references; unqualified. "Sulphonal" (20/32), this Paper.

COUNTER Assistant (lady); Hall certificate; varied M., 101 Melrose Avenue, N.W. 2.

DEMOBILISED Assistant, Junior, unqualified, 28, de tion in Retail; abstainer. Apply 22/1, Offic Paper.

DISPENSER, experienced, energetic, disengaged sh porary or permanent. S., 19 Rockmount Road, S.

DISPENSER (Hall), experienced, desires post wi Dispensing and Booking; North London. Apply 19 of this Paper.

DISPENSER (lady), 3½ years' experience, desires Chemist in Birmingham; highest references. Ap Office of this Paper.

PENSER (lady); Hall; experienced Hospital, Institution, and Surgery; excellent testimonials; near or in London. 21/3, Office of this Paper.

PENSER; unqualified; age 28; first-class Dispensing experience; excellent references; disengaged. A. L. Wilden, ne Road, Upper Parkstone, Dorset.

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DERLY Chemist; experienced all round; N.H.I. Dispensing. Lewis, 2 Tipping Street, Bolton.

DERLY Chemist, experienced where qualification is necessary, open to manage small business; town or country. y 21/20, Office of this Paper.

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ENINGS and Saturday and Sunday duty; Dispensing, Stock, Counter. Apply 20/22, Office of this Paper.

PERIENCED Lady Pharmacist (32), qualified, good knowledge of Retail business, languages, seeks permanency. 3. 40/5, Office of this Paper.

PERIENCED Minor has part time to fill in. "Spes," 55 Beauchamp Road, Clapham Junction.

PERIENCED Pharmacist requires post as Manager of good-class business, with entire charge; capable, energetic, and to originate and develop new lines; 22 years' experience on and provinces; first-class references; kindly state salary, s, and town. Write "Progress" (21/31), Office of this r.

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NIOR; some years' experience in quick Retail trade; age 20. Hudson, "Bolehill," Bonehill Road, Fazeley, near worth.

NIOR Assistant (19) seeks permanency; tall and keen; East Anglia preferred. Please state salary to 22/17, Office of Paper.

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ADY Dispenser (Hall), experienced, requires post with Chemist or Doctor. Apply F. H., 333 Brixton Road, S.W. 9.

ADY Dispenser (Hall), Bookkeeper, experienced, good references, requires post, Doctor or Institution, in vicinity of 20 London preferred. Reply M., 127 Marlow Road, Anerley, don, S.E.

ADY Dispenser (Hall) requires post, permanent or temporary, with Doctor; country or near London preferred; experienced good references. Miss Ayton, 177 Gleneldon Road, Streatham, . 16.

ADY Dispenser (Hall) requires post with Doctor, Hospital, or Chemist; good testimonials; moderate salary. V. H., a Norwood Road, Herne Hill, S.E. 24.

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LOCUM or Manager; qualified; disengaged; age 48; experienced Counter, Dispensing, Photo, Dental, etc. Apply Daykin, Hillstown, Bolsover.

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LOCUM; London or provinces; highly recommended; exceptional references; terms £3 per week, outdoors, fare each way. "Sanatogen" (20/320), Office of this Paper.

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LOCUM disengaged; wide experience; highest references; well recommended. "Beta," 74 West Hill, East Putney, London.

LOCUM; 28; unqualified; capable, reliable; disengaged; excellent references. "Statim," Wilden, Gwynne Road, Upper Parkstone, Dorset.

LOCUM or temporary; 25; married; unqualified; Brighton district preferred; disengaged. "S.," 15 Round Hill Crescent, Brighton.

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More and more people are learning the use of waterglass every year—each season multiplies the sales of the one before. You can get a good share of this business by making a display of the tins (ours is quite the finest label in this line on the market) and a few of the descriptive showcards which we send with every order.

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